697.5
fowler
Ex. Oil Paintings
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697.5

ORNAMENTAL WALL RADIATORS.

CATALOGUE

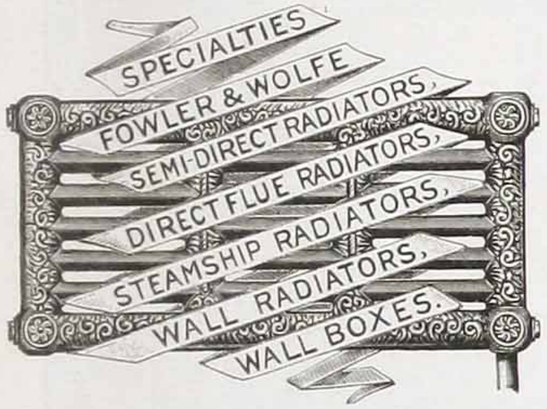


Fowler & Wolfe Manufacturing Co.

FOURTH EDITION.

668-70 BOURSE BUILDING, PHILADELPHIA, PA., U. S. A.

THE LATEST
APPLICATION
OF THE
OLDEST AND BEST
PRINCIPLE.



FOR STEAM
OR
HOT WATER.

FOWLER & WOLFE MFG. CO.

668-70 BOURSE BUILDING,
PHILADELPHIA, PA., U. S. A.

ORNAMENTAL WALL RADIATORS.

A. H. FOWLER, President,
G. G. WOLFE, Vice-Pres't and Treasurer,
C. R. FOWLER, Secretary.

1900.



CUT NO. 1 REPRESENTS APPLICATION, SLOCUM BUILDING, NEW BEDFORD, MASS., ALSO SAME ARRANGEMENT JEWELERS' EXCHANGE BUILDING, BOSTON, MASS.
NO. 2, SCHOOL ROOM, MILWAUKEE, WIS. NO. 3, SIDE WALL INSTALLATION. NO. 4, BAY WINDOW INSTALLATION. NO. 5, DOUBLE RADIATOR.
NO. 6, BUTLER'S PANTRY, DINING ROOM AND PLATE WARMER. NO. 7, DOBSON BUILDING, 9TH AND MARKET STS., PHILADELPHIA.
NO. 8, JEWELRY DEPARTMENT, HON. JOHN WANAMAKER'S STORE, PHILADELPHIA.

INTRODUCTORY.

IN PRESENTING our fourth edition of illustrated catalogue, we desire to thank our friends for their liberal patronage and appreciation of our efforts in producing a radiator that has proved to be the leader of its class. The demand and the orders we are continually receiving substantiate our claim of having the most popular radiator in the market.

THE SUPERIORITY AND EFFICIENCY of our construction have been fully demonstrated by recent comparative tests made under the supervision of and by the most **eminent authority** in this country, and these tests have shown beyond question that our radiators in heating qualities far surpass all others, which fact has been fully established by the actual experience of our customers. Twenty-five per cent. less surface can be safely used.

THE ADAPTABILITY OF OUR RADIATORS for use in difficult places, particularly those where floor space is valuable and cannot be utilized for heating purposes, **is shown by a few applications illustrated on the preceding page and the following pages of this catalogue.**

SINCE PUBLISHING OUR FORMER EDITIONS we have added several new sizes to our line, as shown in the following pages. With our present variety, our radiators are adapted to buildings of all descriptions, and are well suited to residence work, as there are no feet projecting to the floor and no cutting of carpets required. In addition, all the floor space is saved.

OUR SEMI-DIRECT APPLICATION is meeting very general approval and has been installed in a number of churches and schools with marked success, and is now being specified for many buildings of this kind. By its use the heat, as well as the fresh air supply, is distributed uniformly in all parts of the room.

OUR WALL RADIATORS ARE FULLY COVERED BY LETTERS PATENT of the following dates, viz.: May 10, May 31 (two), August 9 and August 30, 1898; January 10, 1899, and May 15, 1900, and we beg to notify the trade, architects and owners of buildings that decrees have recently been entered in the Circuit Court of the United States for the Western District of Pennsylvania in suits instituted by us to restrain the infringement of our letters patent No. 609,800, dated August 30, 1898 (covering the general construction of our radiator sections and the manner of coupling them together), and of our design patent No. 28,761 (covering one of our many designs), **by which the validity of the said letters patent was sustained.** We respectfully warn the public against purchasing or using wall radiators infringing upon our patents.

IT WILL BE OUR CONSTANT AIM and effort to keep our designs and manufactures up to the present high state of perfection, and we would respectfully invite a careful examination of the different forms and illustrations as shown upon the within pages.

Respectfully,

FOWLER & WOLFE MFG. CO.

BOURSE BUILDING, PHILADELPHIA, PA., U. S. A.

THE FOWLER & WOLFE WALL AND STEAMSHIP RADIATOR.



Patented.

MAXIMUM SURFACE MINIMUM SPACE.

THE FOWLER & WOLFE RADIATOR.

THE illustration on the opposite page shows one section of our radiator placed under a window, and faithfully portrays the beauty of design and decoration.

When used singly these sections will be found to be of sufficient size to heat small bath rooms, lavatories and *staterooms of steamships*, and may be placed horizontally or vertically as shown on page 8.

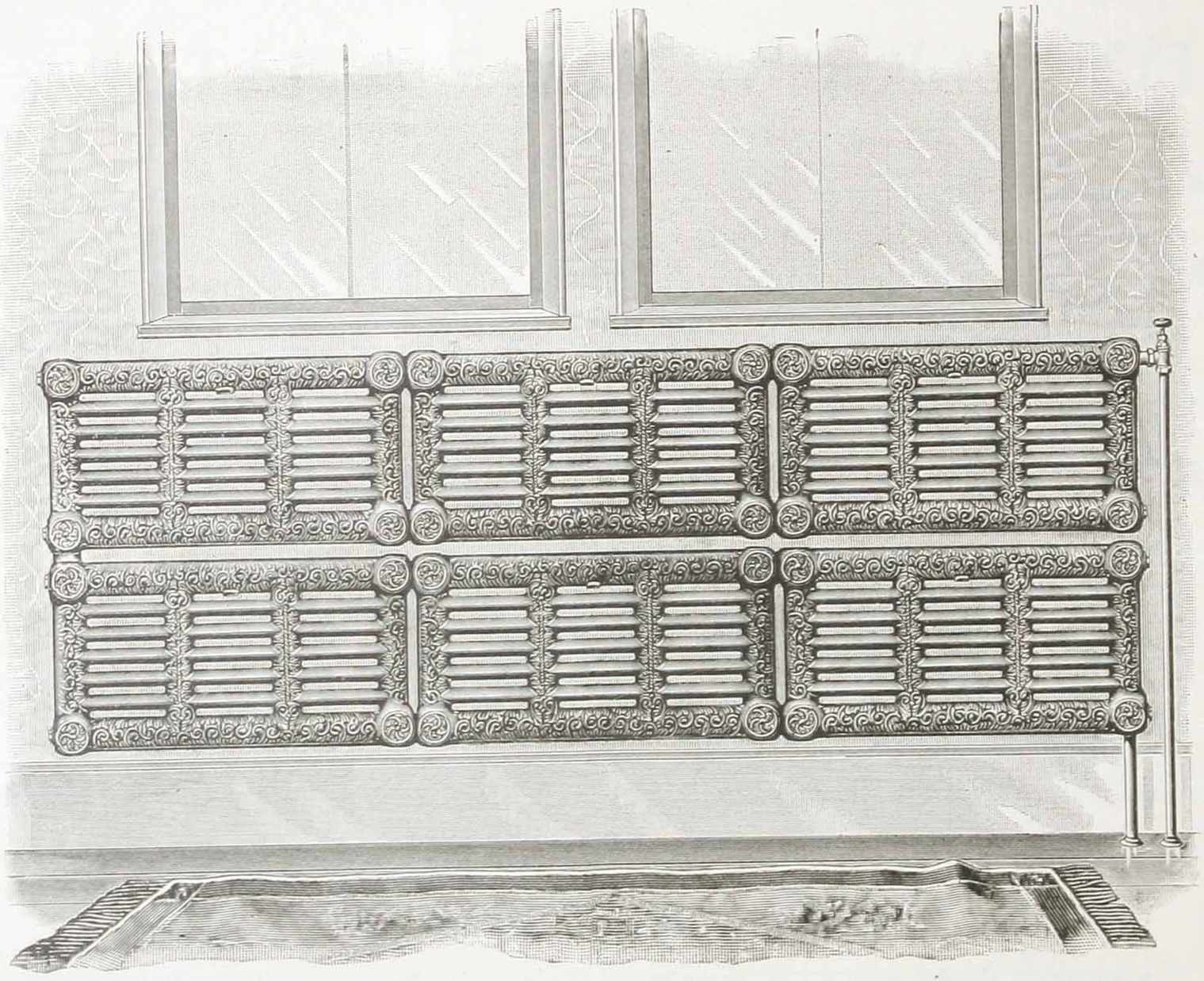
We make four sizes of these sections, as follows:

Standard size, 24 inches long, 12½ inches wide, contains 7 sq. feet of surface.
Medium size, 21 inches long, 12½ inches wide, contains 6 sq. feet of surface.
Short size, 17 inches long, 12½ inches wide, contains 5 sq. feet of surface.
Maximum thickness of all sections, 3 inches.
Special size, page 18, 24 inches long, 13 inches wide, contains 9 sq. feet of surface.

The ornamental plugs at the corners are all 1¼-inch standard pipe thread and are interchangeable, thus admitting of any desired connections. 9-foot section tapped 1½ inches.

NOTHING MORE ARTISTIC, COMPACT OR EFFICIENT HAS EVER BEEN SHOWN.

THE FOWLER & WOLFE WALL AND STEAMSHIP RADIATOR.



Patented.

MAXIMUM SURFACE MINIMUM SPACE.

THE FOWLER & WOLFE RADIATOR.

THIS FORM OF RADIATOR HAS A GREATER EXPOSURE TO THE AIR THAN ANY OTHER MADE, AND CONSEQUENTLY IS MORE EFFICIENT.

THE engraving on the opposite page shows this radiator arranged horizontally in series of sections, one above the other, with a *continuous circulation from supply to return pipes.* These series are united with R. & L. internal nipples.

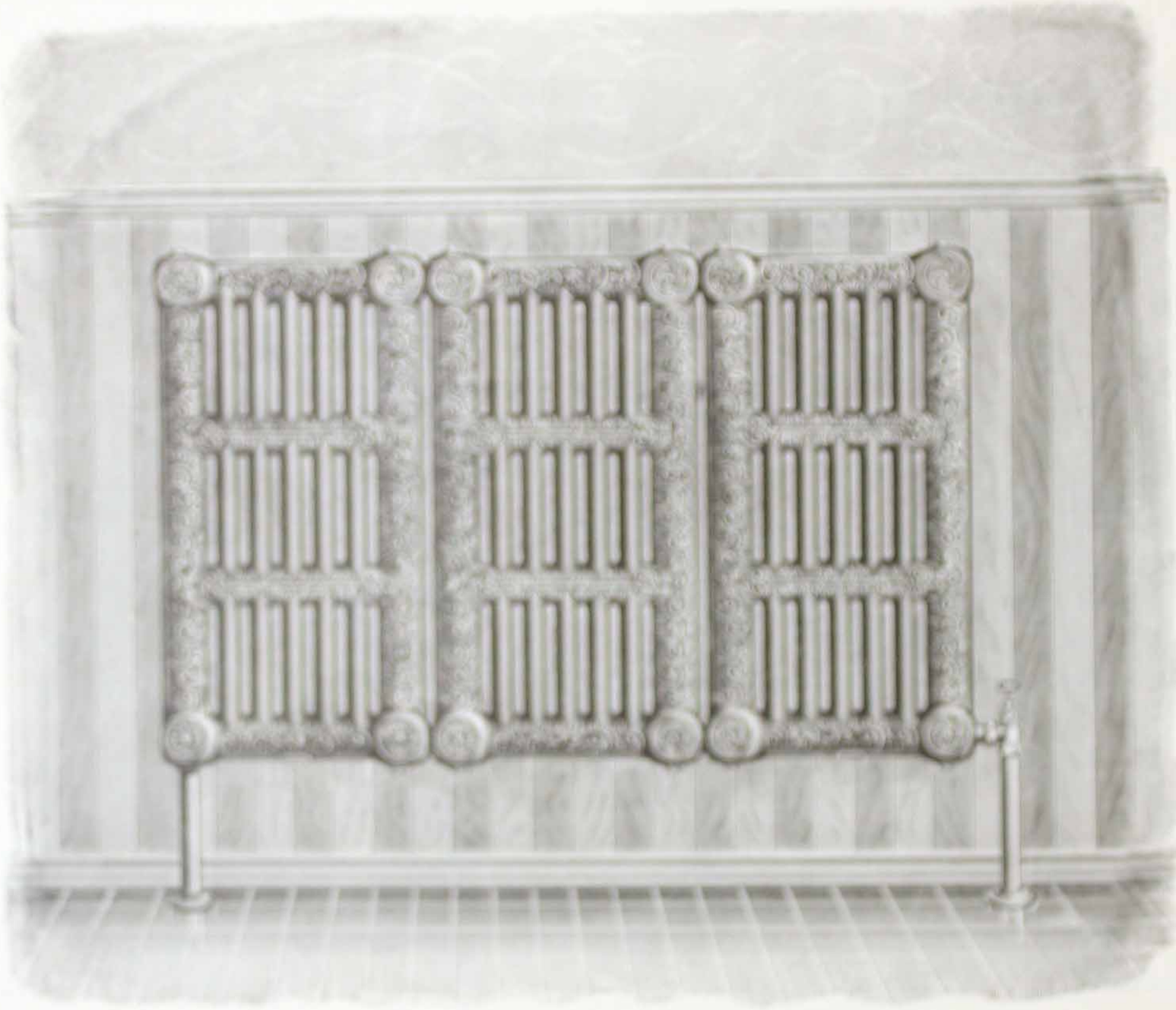
They may be made any number of sections long and as many series high as required. When series are over six sections long, they will be made and shipped in shorter parts of four (4) or less sections each, and united with R. & L. nipples having internal projection for connection.

When two or more series are used, they *may be connected up separately at the ends with stop valves, so that any number of series may be used according to temperature.* This arrangement possesses many advantages, and will be found indispensable in schools, churches, gymnasiums, etc.

We make four sizes of these sections, as follows:

Standard size, 24 inches long, 12½ inches wide, contains 7 sq. feet of surface.
Medium size, 21 inches long, 12½ inches wide, contains 6 sq. feet of surface.
Short size, 17 inches long, 12½ inches wide, contains 5 sq. feet of surface.
Special size, page 18, 24 inches long, 13 inches wide, contains 9 sq. feet of surface.

WE FURNISH WALL HOOKS AND SUPPORTS FOR THESE RADIATORS AT SPECIAL PRICES.



MAXIMUM SURFACE MINIMUM SPACE.

THE FOWLER & WOLFE RADIATOR.

THE illustration on the opposite page shows our wall radiator with sections arranged **vertically** and presents a very beautiful appearance.

These may be made in any number of sections required. When over six (6) sections long, they will be shipped in parts of six or under, and united with internal screwed R. & L. nipples.

In this style for hot water or steam we connect sections at top and bottom. Circulation perfect with either one or two pipe steam system.

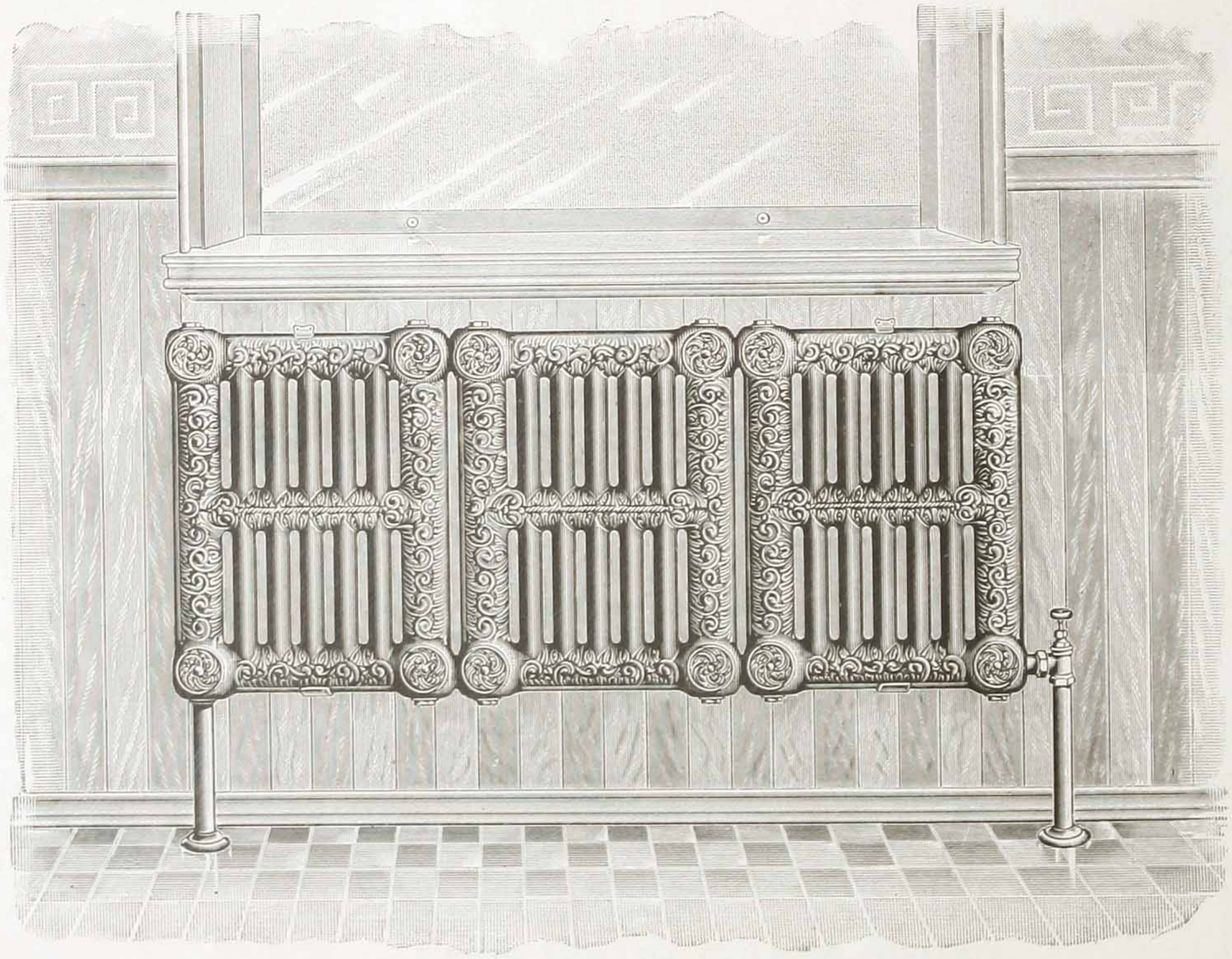
We make four sizes of these sections, as follows:

Standard size, 24 inches high, 12½ inches wide, contains 7 sq. feet of surface.
Medium size, 21 inches high, 12½ inches wide, contains 6 sq. feet of surface.
Short size, 17 inches high, 12½ inches wide, contains 5 sq. feet of surface.
Special size, page 18, 24 inches high, 13 inches wide, contains 9 sq. feet of surface.

WE SUPPLY WALL HOOKS AND SUPPORTS FOR THESE RADIATORS AT SPECIAL PRICES (see page 23).

WHEN DECORATED TO HARMONIZE WITH WAINSCOTING, THESE RADIATORS ADD TO THE BEAUTY OF ANY ROOM.

THE FOWLER & WOLFE WALL AND STEAMSHIP RADIATOR.



Patented.

MAXIMUM SURFACE MINIMUM SPACE.

THE FOWLER & WOLFE RADIATOR.

YOU CANNOT, IF YOU SEARCH THE WORLD OVER, FIND A MORE BEAUTIFUL, COMPACT OR EFFICIENT RADIATOR.

THE engraving on the opposite page shows our wall radiator, composed of short sections arranged **vertically,** under a low window. It is a recognized principle that radiators should be placed in front of windows in order to produce best results. The objections to other forms of radiators placed in this manner is that they obstruct the window. This objection is entirely overcome by using our radiator.

These may be made in any desired number of sections, but when over six sections long, will be shipped in parts of six or under.

We make four sizes of these sections, as follows:

Standard size, 24 inches high, 12½ inches wide, contains 7 sq. feet of surface.
Medium size, 21 inches high, 12½ inches wide, contains 6 sq. feet of surface.
Short size, 17 inches high, 12½ inches wide, contains 5 sq. feet of surface.
Special size, page 18, 24 inches high, 13 inches wide, contains 9 sq. feet of surface.

WE SUPPLY WALL HOOKS OR SUPPORTS FOR THESE RADIATORS AT SPECIAL PRICES (see page 23).

THE FOWLER & WOLFE WALL AND STEAMSHIP RADIATOR.



Patented.

MAXIMUM SURFACE MINIMUM SPACE.

THE FOWLER & WOLFE RADIATOR.

WITH NO OTHER RADIATOR CAN YOU OBTAIN AS LARGE AN AMOUNT OF HEATING SURFACE IN SO SMALL A FLOOR SPACE.

ON the preceding page is shown our radiator with sections arranged one above the other, and with vertical nipple connections at the corners. *By this arrangement a very efficient and handsome seat or window radiator is formed of the flue type.* The spaces between the tubes are of ample size and the surfaces are all prime and of the same thickness as wrought iron pipe, insuring the greatest efficiency. *In this form more radiating surface may be contained in a given floor space than by any other type of radiator made.*

It will also be found to be exceedingly effective and compact for indirect work.

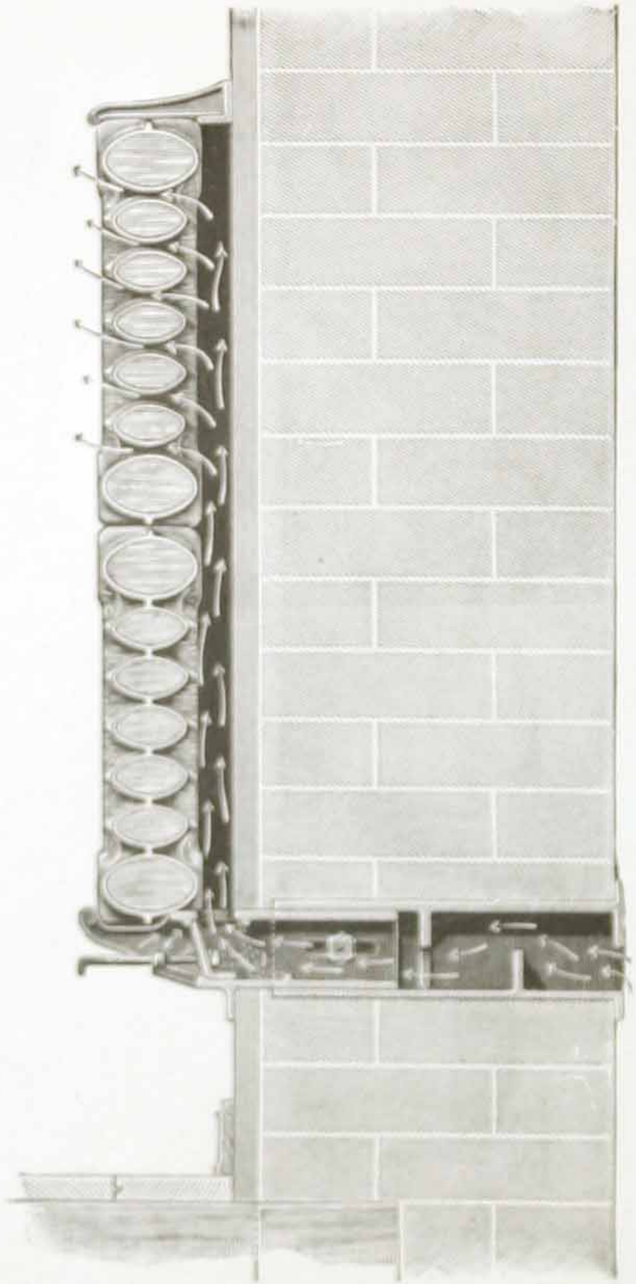
On the plan shown on opposite page we are prepared to furnish plate warming rods of any length or height. (See illustration No. 6 ; group engraving first page.) The spaces for dishes between the different sections, made of any length or number, will be found indispensable in the dining room or butler's pantry.

We Make an Extra Charge for Double Radiators,

i.e.—One section, or series of sections, arranged in front of, or above, another, with cross nipple connections, as illustrated on the opposite page.

Prices on this form will be quoted upon application.

ANY NUMBER OF SECTIONS OF ANY SIZE MAY BE UNITED, LENGTHWISE OR VERTICALLY, TO FORM ANY SIZE RADIATOR.



Patented.

MAXIMUM SURFACE MINIMUM SPACE.

THE FOWLER & WOLFE RADIATOR.

WITH SEMI-DIRECT WALL BOX AND DAMPER ARRANGEMENT

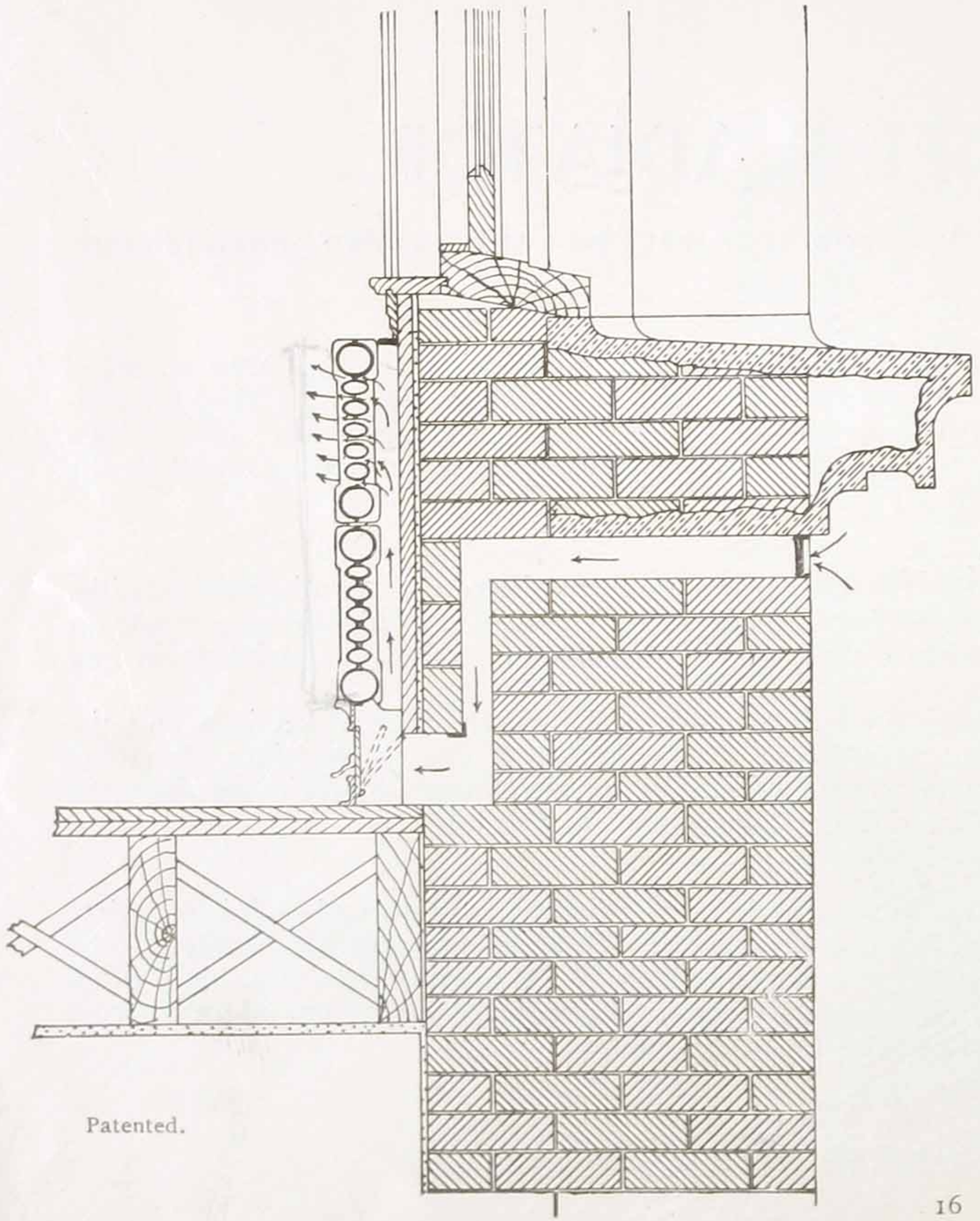
THE illustration on the opposite page is a sectional view of our wall radiator arranged for semi-direct heating. The wall boxes in same are combined with the mixing dampers. They are provided with storm-deflecting baffle plates, as shown, and also with a copper gauze insect screen when desired. The wall box is made amply strong to support weight of walls, and is securely anchored in the wall, forming an effective and handsome support for the radiator.

The damper may be operated by the foot and, when out, as shown, admits air from outside. When reversed, occupying position indicated by the dotted lines, it effectually closes off outside air and admits air from the room. When occupying an intermediate position, air is admitted from both outside and inside in any desired proportions.

The air when admitted is drawn upwardly through the space between the lower series of sections and the wall (the openings in the lower series being closed by a web cast on the sections), and escapes into the room horizontally through the openings in the upper series. The currents of outdoor air containing impurities are deflected from the walls, thus obviating the staining of same as is often the case in systems of this kind.

These Wall Boxes and Dampers are made to extend the length of one section and each is complete in itself. Any number may be used to secure the desired amount of fresh air. This arrangement will be found to be *invaluable for use in churches, schools and other public institutions*, as the heating and ventilation for same admit of all the radiation being placed on the outside or exposed walls, and any desired proportion of it made to admit air from the outside. **We also make a special wall box 10 inches long for small rooms.**

PRICES OF WALL BOXES AND DAMPERS GIVEN ON APPLICATION.



Patented.

Special Semi-Direct Arrangement.

This diagram illustrates a special form of wall flue and semi-direct base, the latter extending from bottom of the radiator to floor, forming a support for the radiator.

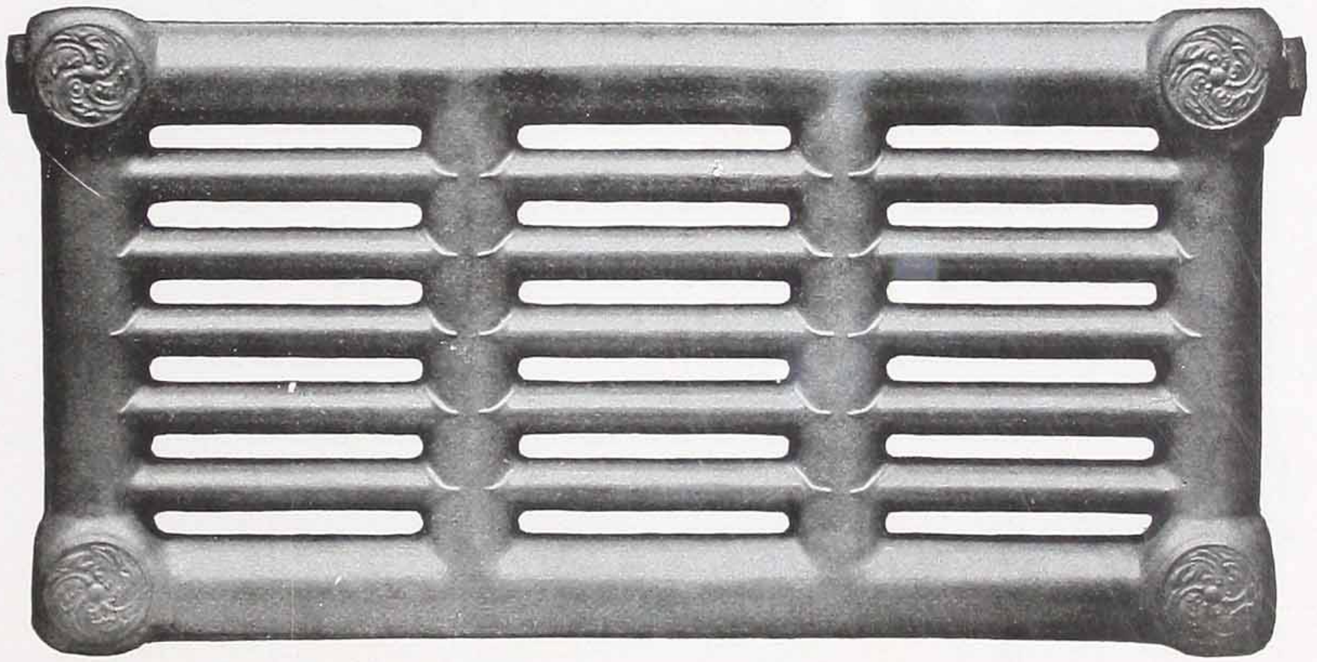
This base can be used when fresh air is distributed through ducts in basement, the air being admitted to the base through the floor.

This arrangement will be found especially applicable to church heating, and has proved to be very efficient.

PRICES ON THIS SPECIAL BASE QUOTED UPON APPLICATION.

MAXIMUM SURFACE MINIMUM SPACE.

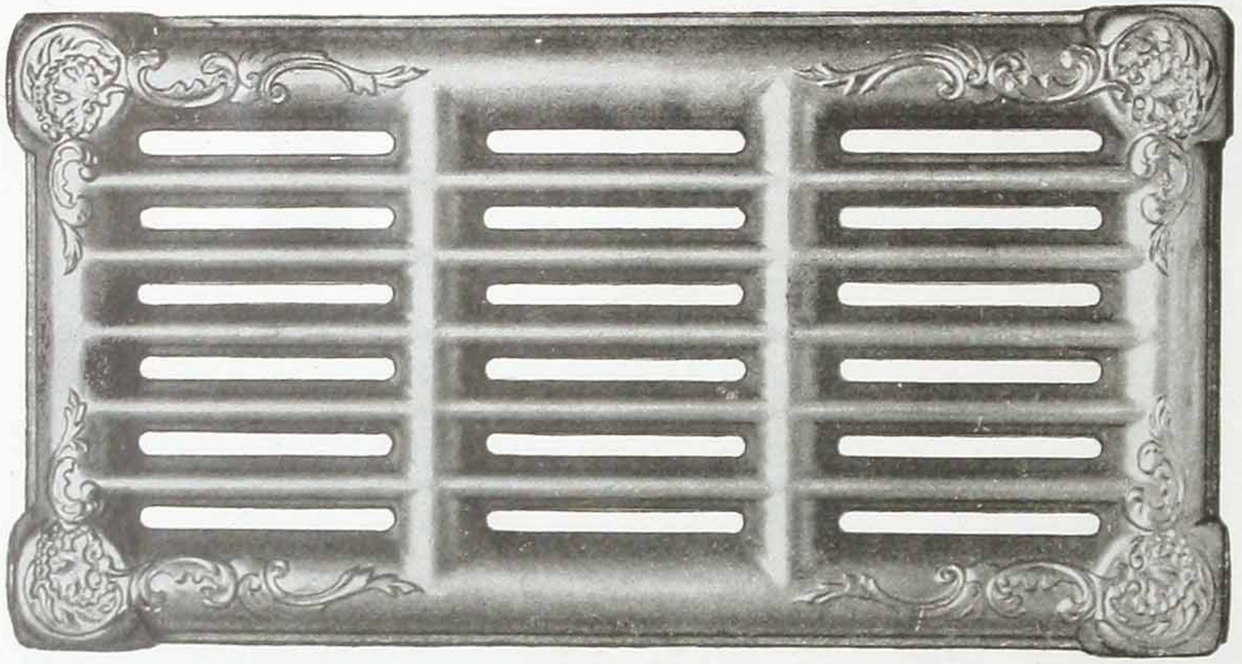
PLAIN STANDARD SECTION.



Patented.

24 inches long, 12½ inches wide, contains 7 sq. feet of surface; maximum thickness 3 inches. Sections may be united, either horizontally or vertically, to form any sized radiators.

SPECIAL NINE-FOOT SECTION.



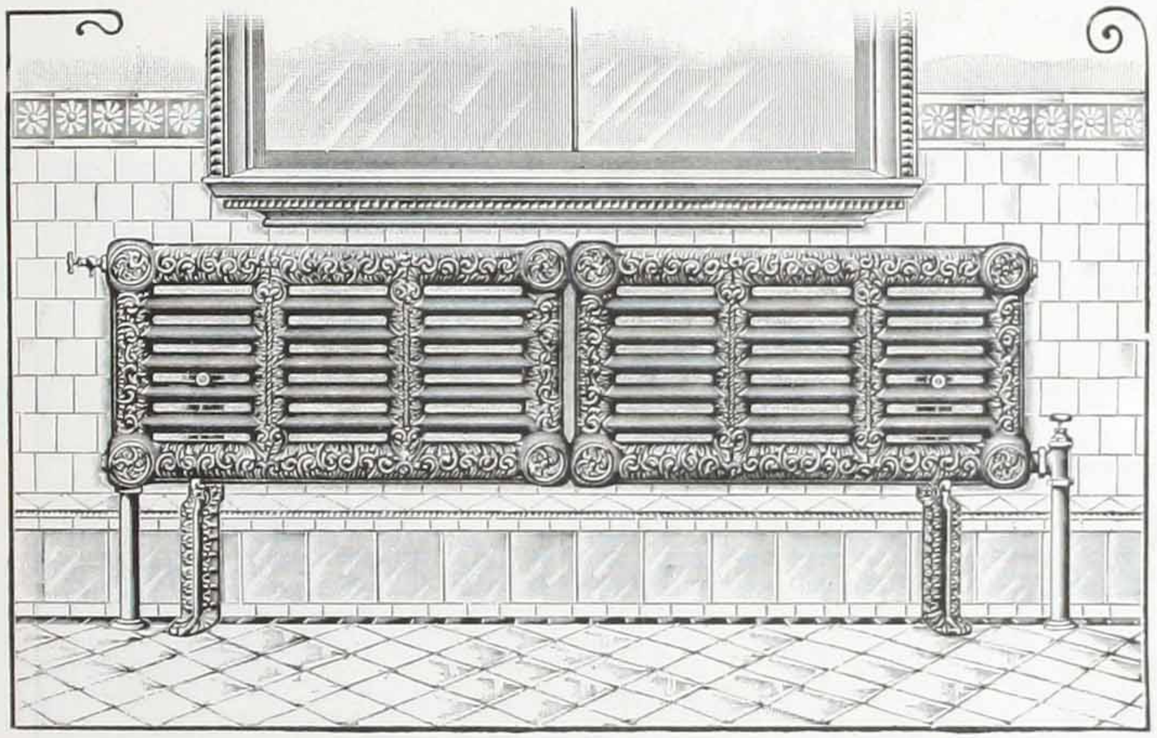
Patented.

Dimensions, 24 inches long, 13 inches wide, 3¼ inches thick, contains 9 sq. feet of surface. These sections may be assembled in any of the forms shown in this catalogue.

FOUR AND ONE-QUARTER SQ. FEET OF HEATING SURFACE MAY BE PLACED UPON ONE SQ. FOOT OF WALL SPACE.

MAXIMUM SURFACE MINIMUM SPACE.

THE ENGRAVING SHOWS THE FOWLER & WOLFE WALL RADIATOR SUPPORTED UPON OUR ORNAMENTAL DUCK-FOOT BRACKETS, REQUIRING NO FASTENING TO WALL.



Patented.

This arrangement will be found very desirable in tiled bath rooms, corridors, etc. These brackets are made in various heights, and for our radiators, arranged horizontally, as shown; or vertically, as shown on following page. Radiators made up of any number of sections can be supported in this way.

There are some of these radiators now in use composed of 20 sections, each section 24 x 12½ inches, working on one pipe steam circulation as well as for hot water circulation. In every case the circulation and expulsion of air is most perfect.

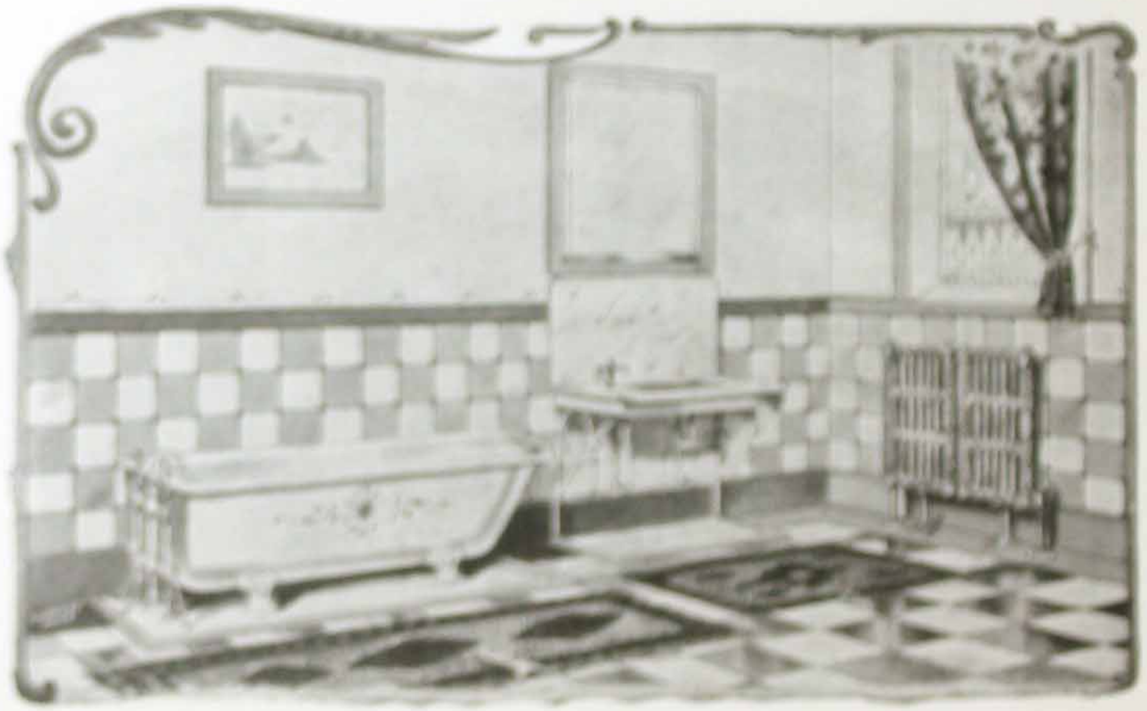
EFFICIENCY EQUAL TO THAT OF PIPE COILS. ONLY TAKES ONE-HALF THE WALL SPACE PER FOOT OF SURFACE. THREE AND ONE-HALF FEET OF HEATING SURFACE TO ONE SQ. FOOT OF WALL.
A RADIATOR ESPECIALLY ADAPTED TO MODERN OFFICE HEATING.

THE FOWLER & WOLFE WALL AND STEAMSHIP RADIATOR.

IN THE HEATING OF BATH ROOMS, GREAT DIFFICULTY IS EXPERIENCED IN FINDING FLOOR SPACE UPON WHICH TO PLACE A RADIATOR, AND EVEN WHEN SUCH SPACE IS AVAILABLE THE ORDINARY LOOP RADIATOR APPEARS OUT OF PROPORTION ON ACCOUNT OF ITS HEIGHT AND MEAGER LENGTH.

Ordinarily, only two or three loops are required, and the feet, coming so close together, form a pocket which is difficult to keep clean and not in keeping with the modern sanitary open fixtures. These difficulties are entirely removed by the use of The Fowler & Wolfe Wall Radiator.

These radiators are placed entirely upon the walls, and may be arranged vertically, as shown; or horizontally, as shown on the opposite page. They project only 3½ inches from the wall, and may be placed in almost any position. For tiled rooms our duck-foot floor supports are used, and no fastening to wall is required. One section is all that is required to heat a small bath room.



Patented.

A MODERN BATH ROOM WITH MODERN FIXTURES SHOULD BE WARMED BY A MODERN RADIATOR.

IMPORTANT INFORMATION.

ALL openings for connections are tapped right hand, standard pipe thread and the ornamental plugs in same are interchangeable, thus admitting of any desired connections of flow and return pipes. All openings are tapped 1¼ inches excepting the special 9-foot section, which is tapped 1½ inches. We do not furnish bushings.

Exceptionally large radiators furnished with 1½-inch tapping for pipe connections when ordered.

Sections are tapped with such perfect accuracy that they may be easily assembled at destination or taken apart for alterations or repairs.

The amount of water contained is about equal to that of 1-inch pipe to the square foot of heating surface.

The metal is practically of the same thickness as that of wrought iron pipe of the size mentioned.

We can furnish special faced off ells of different angles for connecting our wall radiators in bay windows, both 1½ inches and 1¼ inches, of the following angles, viz.: 11¼ degrees, 22½ degrees, 33¾ degrees, 45 degrees, 56¼ degrees, 67½ degrees, 78¾ degrees and 90 degrees. The radiators may be so tapped that these ells may be used in connection with our regular internal right and left nipples, thus making a very close and neat connection.

When ordering, please observe following rules:

1st. Give number of sections in each radiator and size, whether 24 inches, 21 inches, 17 inches or 9 feet.
2d. Form, whether vertical as shown on page 8, or horizontal as per page 6.
3d. How many sections long and how many high.
4th. Whether for steam or hot water heating.
5th. Style of brackets or supports (see page 22).

DIMENSIONS OF BRACKETS.

ILLUSTRATION ON OPPOSITE PAGE.

Duck-Foot Brackets Nos. 1, 1½, 2 and 3, for vertical radiators only, and span 12-inch baseboard.

No. 1.	Rest for radiator	4½	inches	from	floor.			
" 1½.	" "	"	2	"	"	"	(Not shown in cut.)	
" 2.	" "	"	6½	"	"	"		
" 3.	" "	"	8½	"	"	"		

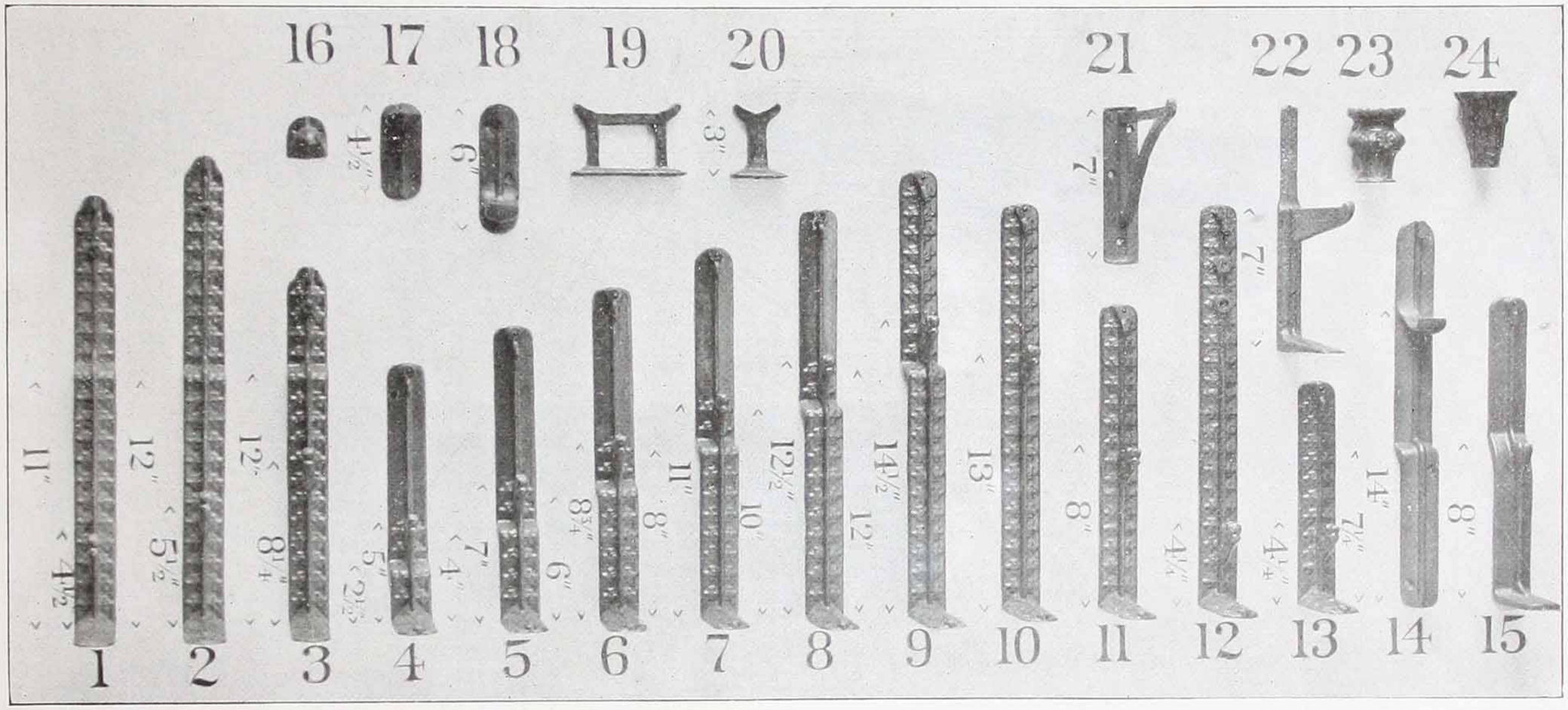
Duck-Foot Brackets Nos. 4, 5, 6, 7, 8 and 9 are for both horizontal and vertical radiators.

No. 4.	Spans	2½-inch	baseboard ;	radiator	rest	5	inches	from	floor.	
" 5.	"	4	"	"	"	"	7	"	"	"
" 6.	"	6	"	"	"	"	8¾	"	"	"
" 7.	"	8	"	"	"	"	11	"	"	"
" 8.	"	10	"	"	"	"	12½	"	"	"
" 9.	"	12	"	"	"	"	14½	"	"	"

Duck-Foot Brackets Nos. 10, 11, 11½, 12, 13 and 13½ have no offset for baseboard, and all are for both horizontal and vertical radiators excepting No. 12 (which is for vertical only).

No. 10.	Rest for radiator	13	inches	from	floor.			
" 11.	" "	"	8	"	"	"		
" 11½.	" "	"	6	"	"	"	(Not shown in cut.)	
" 12.	" "	"	4¼	"	"	"		
" 13.	" "	"	4¼	"	"	"		
" 13½.	" "	"	3	"	"	"	(Not shown in cut.)	

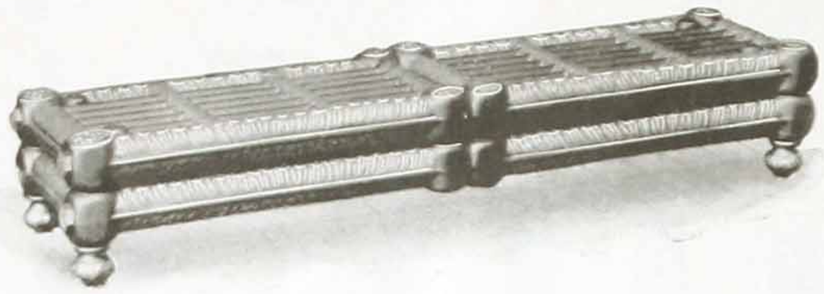
Bracket No. 14, to screw to baseboard, for horizontal radiators only; rest for radiator 6¾ inches from top of baseboard.
Duck-Foot Bracket No. 15, for horizontal radiators only; spans 8-inch baseboard; height of rest 8 inches.
Wall Hangers Nos. 16 (special clamp to secure top of radiator), 17 and 18 are screwed to wall and for both horizontal and vertical radiators.
Floor Rest No. 19, for double radiators only; height 3 inches.
Floor Rest No. 20, for horizontal or vertical radiators; made in two heights, viz., 2 inches and 3 inches.
Bracket No. 21, for double radiators only; height 7 inches.
Duck-Foot Bracket No. 22, for double radiators only; made in two heights, viz., 3½ inches and 7 inches.
Special Foot No. 23, for double radiators, plate warmers, etc., height 3½ inches.

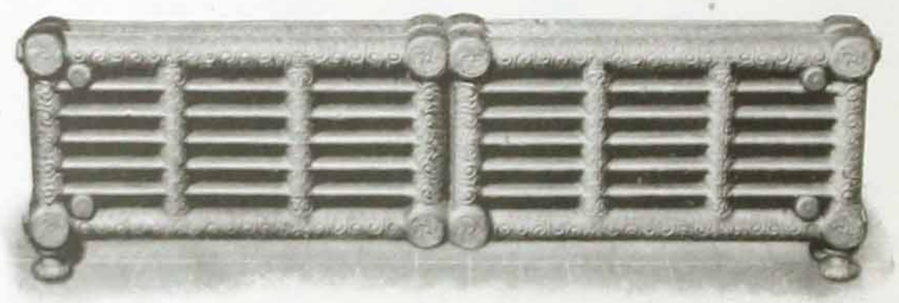


BRACKETS AND SUPPORTS.

Duck-Foot Brackets Nos. 1, 2 and 12 are for vertical radiators only.
Duck-Foot Brackets Nos. 3, 4, 5, 6, 7, 8, 9, 10, 11, 13 and 15 are for both vertical and horizontal radiators.
Bracket No. 14 (to screw to baseboard) is for horizontal radiators only.
Wall Hangers Nos. 16, 17 and 18 (screwed to wall) are for both vertical and horizontal radiators.
Brackets Nos. 19, 21 and 22 are for special double radiators.

OBSERVE DIMENSIONS AND ORDER BY NUMBERS AS DESCRIBED ON PAGE 22.





DOUBLE RADIATORS.

THE above engravings show our wall radiators arranged one series in front of the other. They can be made any number of sections long and three or four thick. Can be used equally well in either way. An extra price will be charged for these. Made up in this way they are found very desirable for seat radiators.

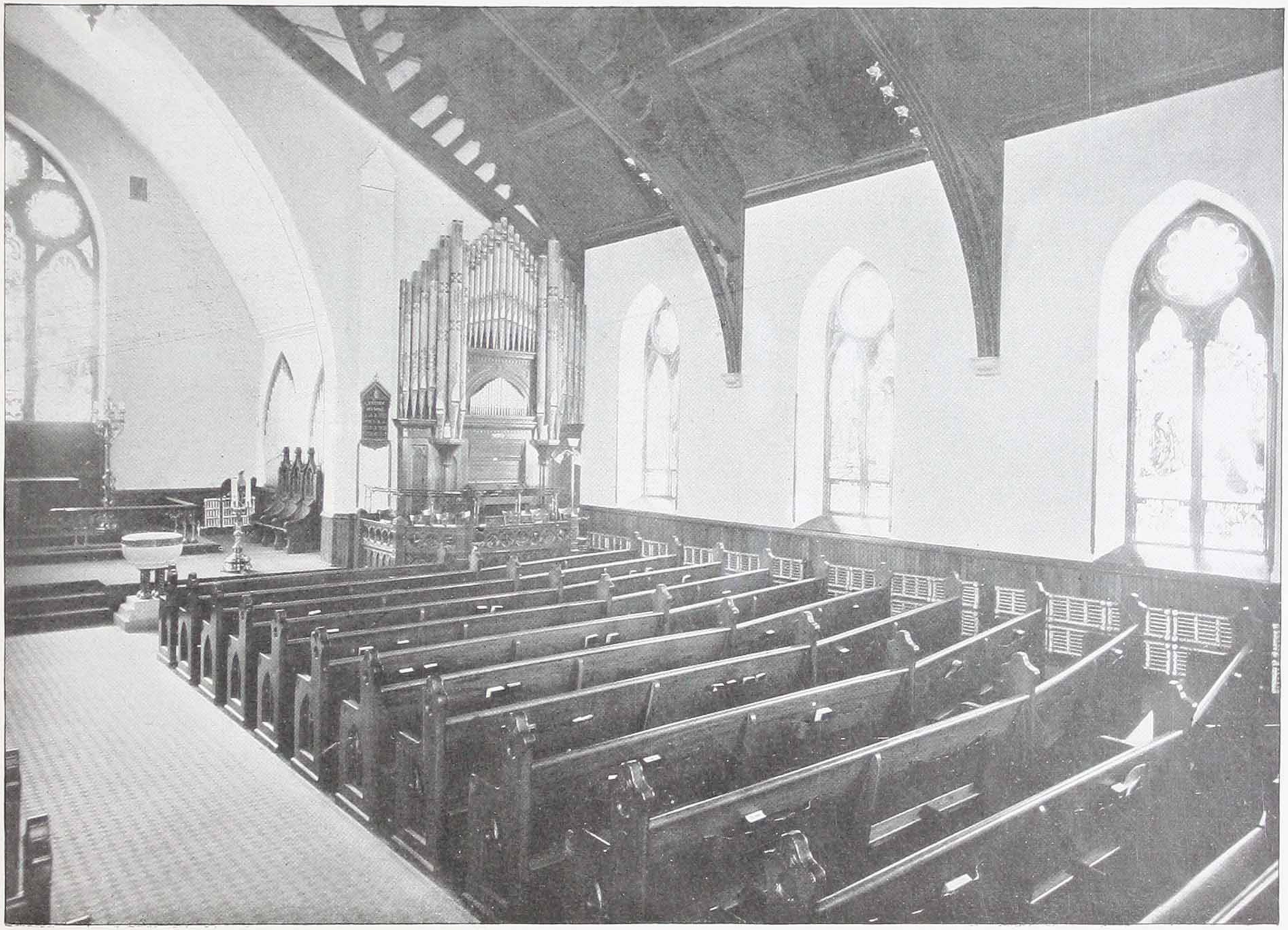
SOME OF THE MANY BUILDINGS IN WHICH FOWLER & WOLFE RADIATORS HAVE BEEN INSTALLED.

CHURCHES.

Belmont M. E. Church, West Philadelphia.
Bergin Baptist Church, Jersey City, N. J.
Centre Presbyterian Church, New Park, Pa.
Church of the Holy Spirit, 11th and Snyder Ave., Philadelphia.
Church of the Transfiguration, Buffalo, N. Y.
Church of Our Lady of Good Counsel, Christian St., Philadelphia.
Calvary Baptist Church, Washington, D. C.
Church of Our Lady Help of Christians, Philadelphia.
Church of the Ascension, New York City.
Clinton Avenue Baptist Church, Trenton, N. J.
Chapel of the Epiphany, 17th and Summer Sts., Philadelphia.
Chapel, Convent of Villa Maria, West Chester, Pa.
Cape May Presbyterian Church, Cape May, N. J.
Calvary M. E. Church, 48th and Baltimore Ave., Philadelphia.
Church of the Covenant, Philadelphia.
Christ Reformed Church, Allentown, Pa.
Christ Church Chapel, South Amboy, N. J.
Christ P. E. Church, Media, Pa.
Emmanuel Church, Newport, R. I.
Ebenezer M. E. Church, Manayunk, Philadelphia.
Emmanuel Congregational Church, Worcester, Mass.
First Baptist Church, Bridgeport, Pa.
First M. E. Church, Syracuse, N. Y.
Frankford Avenue Baptist Church, Philadelphia.
First Unitarian Church, Albany, N. Y.
First Presbyterian Church, Hornellsville, N. Y.
First Baptist Church, Altoona, Pa.
First Presbyterian Church, Passaic, N. J.
First Presbyterian Church, Athens, Pa.
First Presbyterian Church, Susquehanna, Pa.
First M. E. Church, Easton, Pa.
First Baptist Church, Atlantic City, N. J.
First Baptist Church, Athens, Ga.



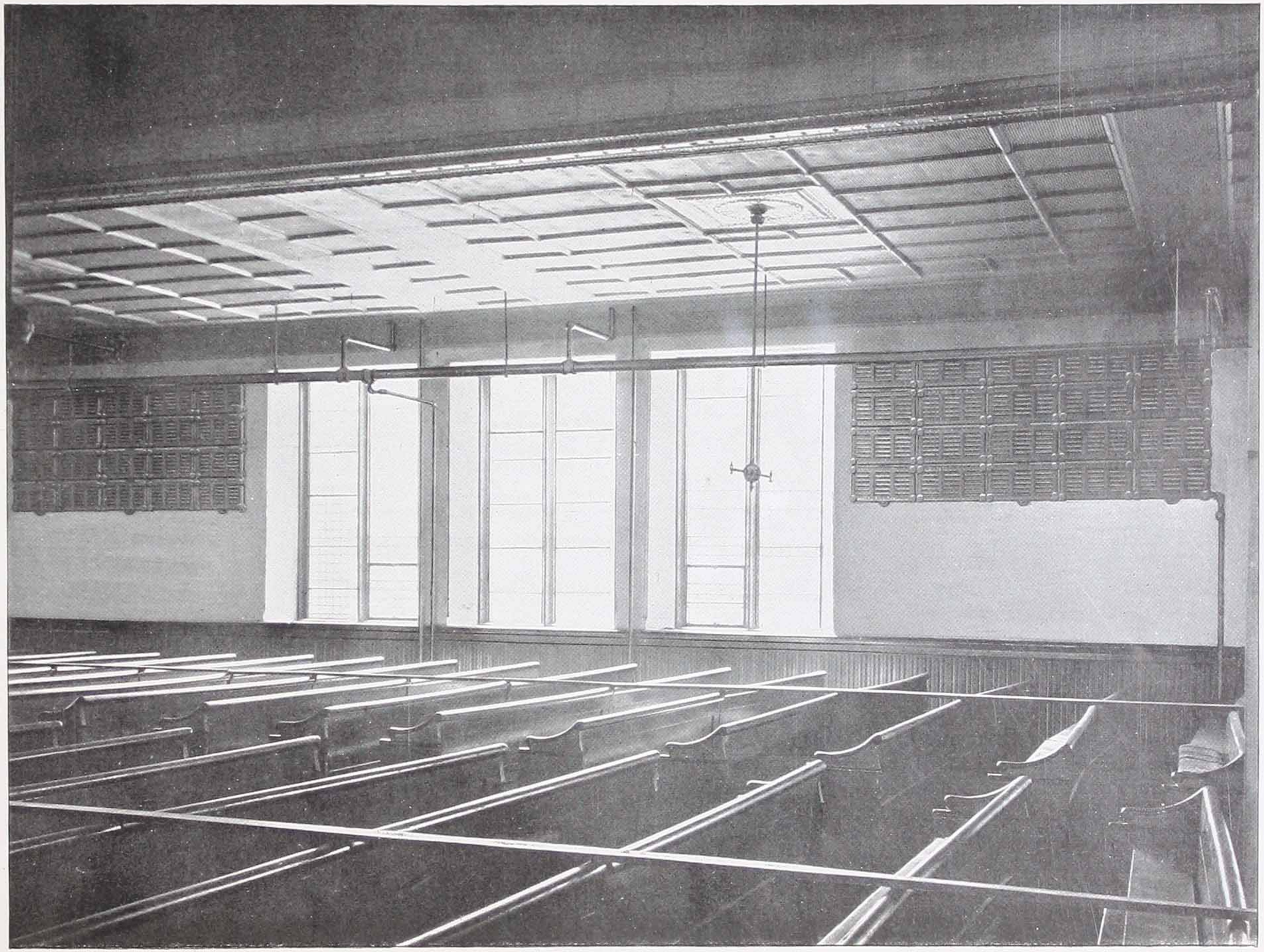
EBENEZER M. E. CHURCH, MANAYUNK, PHILADELPHIA, PA.



ST. MICHAEL'S LUTHERAN CHURCH, GERMANTOWN, PHILADELPHIA PA.

CHURCHES (Continued).

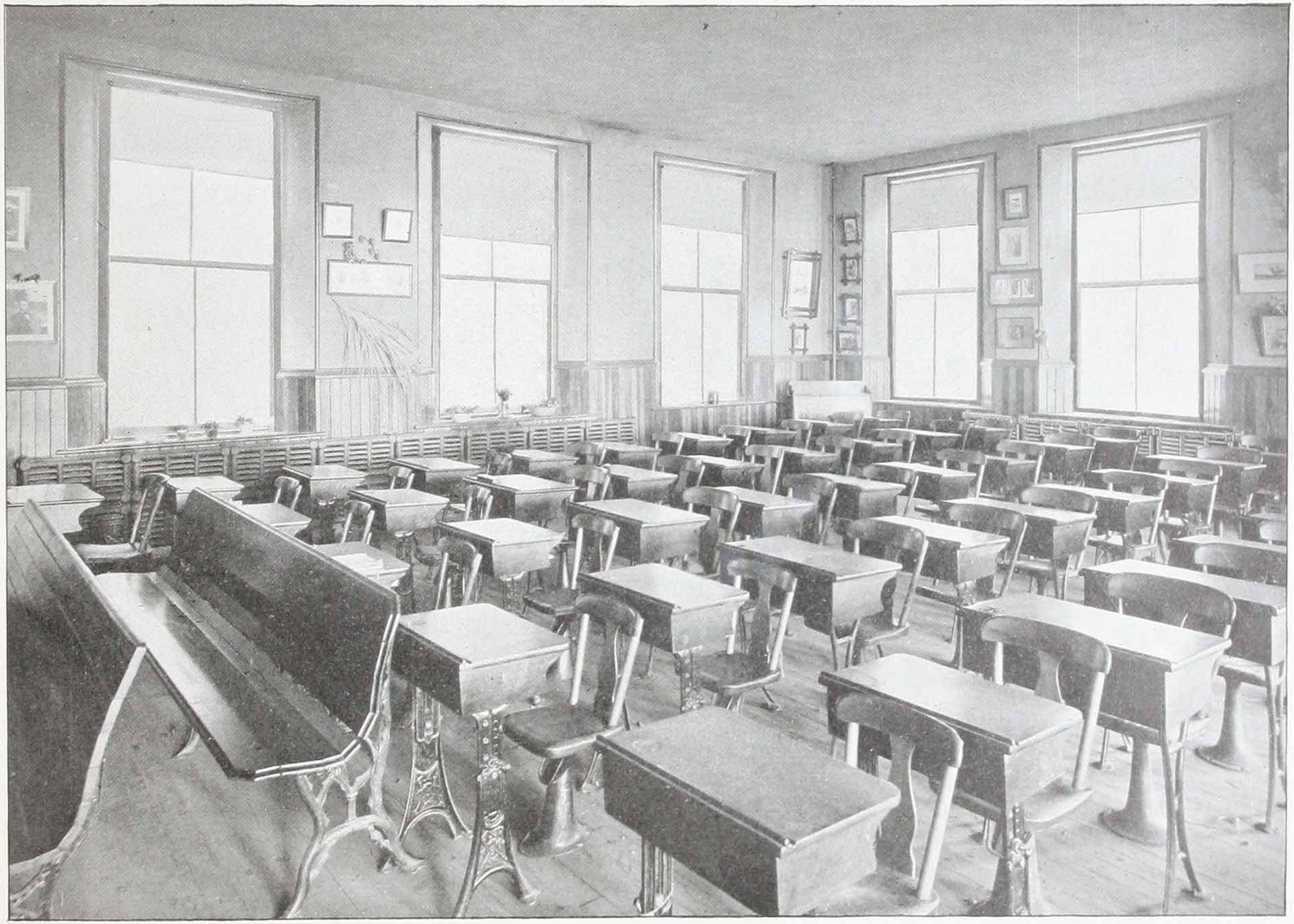
First Church of Christ, Scientist, Troy, N. Y.
First Moravian Church, Easton, Pa.
First U. P. Church, Pittsburg, Pa.
Grace Evangelical Church, Schuylkill Haven, Pa.
Hermon Presbyterian Church, Frankford, Phila.
Kensington M. E. Church, Richmond and Marlboro Sts., Philadelphia.
Lehigh Avenue Baptist Church, 12th St. and Lehigh Ave., Philadelphia.
Lafayette Lutheran Church, Jersey City, N. J.
Lutheran Church, Lehighton, Pa.
Lutheran Church, Mechanicsburg, Pa.
Moody Chapel, Mt. Hermon, Mass.
Madison Street M. E. Church, Chester, Pa.
Marlton M. E. Church, Marlton, N. J.
Montgomery Square M. E. Church, Montgomery Square, Pa.
Maverick Congregational Church, East Boston, Mass.
Memorial Presbyterian Church, Theresa, N. Y.
Market Street Mission Building, Morristown, N. J.
Newport, R. I., Methodist Church.
Newton Centre M. E. Church, Newton Centre, Mass.
Olivet Baptist Church, West Chester, Pa.
Reformed Church, Bloomsburg, Pa.
R. C. Convent Chapel, Sharon Hill, Pa.
St. Paul's Baptist Church, West Chester, Pa.
St. Paul's P. E. Church, Chester, Pa.
Sharon Hill M. E. Church, Sharon Hill, Pa.
St. Paul's Evangelical Church, Lebanon, Pa.
St. Ambrose's R. C. Church, Schuylkill Haven, Pa.
Summerfield M. E. Church, Tulip and Dauphin Sts., Philadelphia.
St. Luke's Episcopal Church, Catskill, N. Y.
St. Philip's R. C. Church, Kean and 2d Sts., Philadelphia.
St. Mary Magdalene's R. C. Church, Millville, N. J.
St. John's R. C. Church, Philadelphia.
St. Mary's R. C. Church, Troy, N. Y.
Second United Brethren Church, Altoona, Pa.
St. Bernard's Church, Cohoes, N. Y.
St. Mary's Chapel, Philadelphia.
St. Paul's R. C. Church, Wilmington, Del.
South Chester Presbyterian Church, Chester, Pa.
Summit Avenue Baptist Church, Jersey City, N. J.
St. Paul's P. E. Church, Rochester, N. Y.
St. Clement's P. E. Church, Philadelphia.
St. Luke's Reformed Episcopal Church, Frankford, Philadelphia.
St. Elizabeth's Church, Philadelphia.
St. John's German Evangelical Lutheran Church, Erie, Pa.
St. Michael's Lutheran Church, Germantown, Philadelphia.
St. Anne's Church, Milwaukee, Wis.
Shadyside Church, Pittsburg, Pa.
Swedish Congregational Church, Worcester, Mass.
Temple Baptist Church, 22d and Tioga Sts., Philadelphia.
Trinity Episcopal Church, Albany, N. Y.
Taylor Catholic Church, Scranton, Pa.
St. Paul's R. C. Church, Mechanicsville, N. Y.



ST. MARY'S R. C. CHURCH CRYPT, TROY, N. Y.

EDUCATIONAL INSTITUTIONS.

Notre Dame Academy, Philadelphia.
Industrial Building for Epileptics, Oakbourne, Pa.
West Broad Street School, Stonington, Conn.
Highland School, Somerville, Mass.
Boston Medical Library, Boston, Mass.
Foulke Song Institute, Langhorne, Pa.
Elwyn Training School, Elwyn, Pa.
Hebron Academy, Hebron, Me.
New Gretna High School, New Gretna, N. J.
Vassar College, Poughkeepsie, N. Y.
Fairhill School, Philadelphia.
Lutheran Seminary, Mt. Airy, Philadelphia.
University of Pennsylvania Dormitories, Philadelphia.
Nurses' Home, University of Pennsylvania, Philadelphia.
Public School, Camden, N. J.
East High School, Cleveland, Ohio.
Public School, Uhrichsville, Ohio.
Haverford College, Haverford, Pa.
St. Mary's School, Montclair, N. J.
School No. 10, Troy, N. Y.
Gymnasium of Central State Normal School, Pack Haven, Pa.
Public School, Johnstown, N. Y.
Germantown Academy, Germantown, Philadelphia.
Lansdowne Public School, Lansdowne, Pa.
Moorestown Public School, Moorestown, N. J.
Swarthmore Public School, Swarthmore, Pa.
St. Bridget's School, Buffalo, N. Y.
Buffalo Catholic Institute, Buffalo, N. Y.
National Farm School, Doylestown, Pa.
Parochial School, Susquehanna, Pa. (Rev. P. F. Broderick.)
Pine Street School, Fall River, Mass.
Public School, St. Ann's Ave. and 147th St., New York City.
Woodstock College, Woodstock, Md.,
Erasmus High School, Brooklyn, N. Y.
Academy of the Sacred Heart, Buffalo, N. Y.
College of History, American University, Washington, D. C.
Women's Medical College, Philadelphia.
School House, Lebanon School District. Lebanon, Pa.
House of Good Shepherd.
College of Physicians and Surgeons, Baltimore, Md.
Convent of Villa Maria, West Chester, Pa.
Academy of the Sacred Heart, Washington, D. C.
Lafayette College Dormitories, Easton, Pa.
Lambertville High School, Lambertville, N. J.
Southboro, Mass., Public School.
St. Hyacinth's Catholic School, Milwaukee, Wis.
Gesu Catholic School, Milwaukee, Wis.
South Side High School, Milwaukee, Wis.
Seventh District School No. 1, Milwaukee, Wis.
Fifteenth District School No. 1, Milwaukee, Wis.
Fifteenth District School No. 2, Milwaukee, Wis.
Twentieth District School No. 1, Milwaukee. Wis.
First Ward School, Lambertville, N. J.
Phillips Brooks House, Harvard University.
Randall Hall, Harvard University.
East Boston High School, Boston, Mass.
South Boston High School, Boston, Mass.
Dorchester High School, Boston, Mass.
Williams Science Hall Building, University of Vermont, Burlington, Vt.



School Room, Swarthmore Public School, Swarthmore, Pa.

EDUCATIONAL INSTITUTIONS (Continued).

Pomeroy School Building, Burlington, Vt.
Public School No. 20, Paterson, N. J.
Public School, Bridgeport, Conn.
Riverside Public School, Riverside, N. J.
The Misses Shipley's School, Bryn Mawr, Pa.
Warrensburgh High School, Warrensburgh, N. Y.
High School, Bath-on-Hudson, N. Y.
Fifth Ward School, Amsterdam, N. Y.
Seventh Ward School, Amsterdam, N. Y.
Kingsboro Avenue School, Gloversville, N. Y.
High School, Montgomery, N. Y.
Sacred Heart Parochial School, Wilmington, Del.
Wilmington Military Academy, Wilmington, Del.
Blair Hall, Seminary, Blairstown, N. J.
High School, Fonda, N. Y.
Middlebury College, Middlebury, Vt.

HOSPITALS AND ASYLUMS.

State Hospital for Insane, Norristown, Pa.
Friends Asylum, Frankford, Philadelphia.
Pennsylvania State Lunatic Hospital, Harrisburg, Pa.
Jewish Hospital, Philadelphia.
Elizabeth General Hospital, Elizabeth, N. J.
Anti-Toxin Hospital, Glenolden, Pa.
Children's Homeopathic Hospital, Philadelphia.
Danvers Insane Asylum, Danvers, Mass.
Home for the Friendless, Williamsport, Pa.
Cumberland County Insane Asylum, Bridgeton, N. J.
St. Joseph's Hospital, Philadelphia.
German Hospital, Philadelphia.
Camden County Asylum for Insane, Asyla, N. J.
Atlantic County Insane Asylum, Dolphin, N. J.
St. Joseph's Catholic Hospital, Milwaukee, Wis.
Quincy Street Consumptives' Home, Boston, Mass.
St. Vincent's Female Orphan Asylum, Albany, N. Y.
Dr. L. Elizabeth Winter's Sanitarium, Conshohocken, Pa.
New York State Institute for the Blind, Batavia, N. Y.
Hudson River State Hospital, Poughkeepsie, N. Y.
Manhattan State Hospital, Central Islip, N. Y.
Manhattan State Hospital, Ward's Island, N. Y.
Binghamton State Hospital, Binghamton, N. Y.
City Hospital, Boston, Mass.
Epileptic Hospital, Oakbourne, Pa.
Chester County Hospital, Chester, Pa.
Municipal Hospital, Philadelphia.
Nose House, Boston City Hospital, Boston, Mass.



OFFICE IN BOURSE BUILDING, PHILADELPHIA, PA.

PUBLIC BUILDINGS.

Philadelphia Bourse, Philadelphia.
Sixth District Court House, New Orleans, La.
Huntington Hall, Lowell, Mass.
Colonial Hall, Lowell, Mass.
Town Hall, Edwardsdale, Pa.
Old Ladies' Home, Haverhill, Mass.
Foresters' Temple, Toronto, Canada.
Public Library Building, Hyde Park, Mass.
Glen Springs Sanatorium Marble Baths, Watkins, N. Y.
Milwaukee County Court House, Milwaukee, Wis.
Athenæum Building, Milwaukee, Wis.
Star Theatre, Milwaukee, Wis.
Fleet Wing Ladder Co., Truck House, Lambertville, N. J.
Boys' Parlor, Germantown, Philadelphia.
New York State Armory, Elmira, N. Y.
Rathskellar, Academy of Music, Baltimore, Md.
Chesapeake Beach Club House, Chesapeake, Md.
Providence Public Library, Providence, R. I.
Dewing Memorial Building, Revere, Mass.
City Hall, Newport, R. I.
Fire Engine House No. 3, Newport, R. I.
Pennsylvania Railroad Co., Market St. Ferry House, Philadelphia.
State Capitol, Albany, N. Y.
Cockato Club, Braintree, Mass.
Albany Historical Art Society, Albany, N. Y.
I. O. O. F. Hall, Priceburg, Pa.
Music Hall, Blairstown, N. J.
Post Office, Lehighton, Pa.
United Firemen's Association, Philadelphia.
Court House of Tioga County, Owego, N. Y.
I. O. O. F. Building, Stoneham, Mass.
Wakefield Volunteer Fire Association, Wakefield, Mass.
Country Club, Brookline, Mass.
Y. M. C. A. Building, Bar Harbor, Me.
B. & M. R. R. Potato House, Somerville, Mass.
Youngstown Opera House, Youngstown, Ohio.
Sharon Opera House, Sharon, Pa.
Penn Club Building, Chester, Pa.
Masonic Hall, Tyrone, Pa.
Masonic Home of New Jersey, Burlington, N. J.
Y. M. C. A. Building, Washington, D. C.
St. Mary's Hall, Burlington, N. J.
Union League, Philadelphia.
Buffalo Athletic Club, Buffalo, N. Y.
Newport News Jail, Newport News, Va.
Whitehall Armory, Whitehall, N. Y.
U. S. Barracks, Columbus, Ohio.
Fire House, Woodbury, N. J.
Musical Fund Hall, Philadelphia.
Sing Sing Prison, Sing Sing, N. Y.
Y. M. C. A. Building, Haverhill, Mass.
Fire Engine House No. 8, Philadelphia.
Harrisburg Opera House, Harrisburg, Pa.
New York State Naval Reserve Building, Summerville, N. Y.
Queen County Court House, Long Island, N. Y.
Broome County Court House, Binghamton, N. Y.
New York State Armory, Hudson, N .Y.
Masonic Temple, Binghamton, N. Y.
Knights of Columbus Building, Rochester, N. Y.



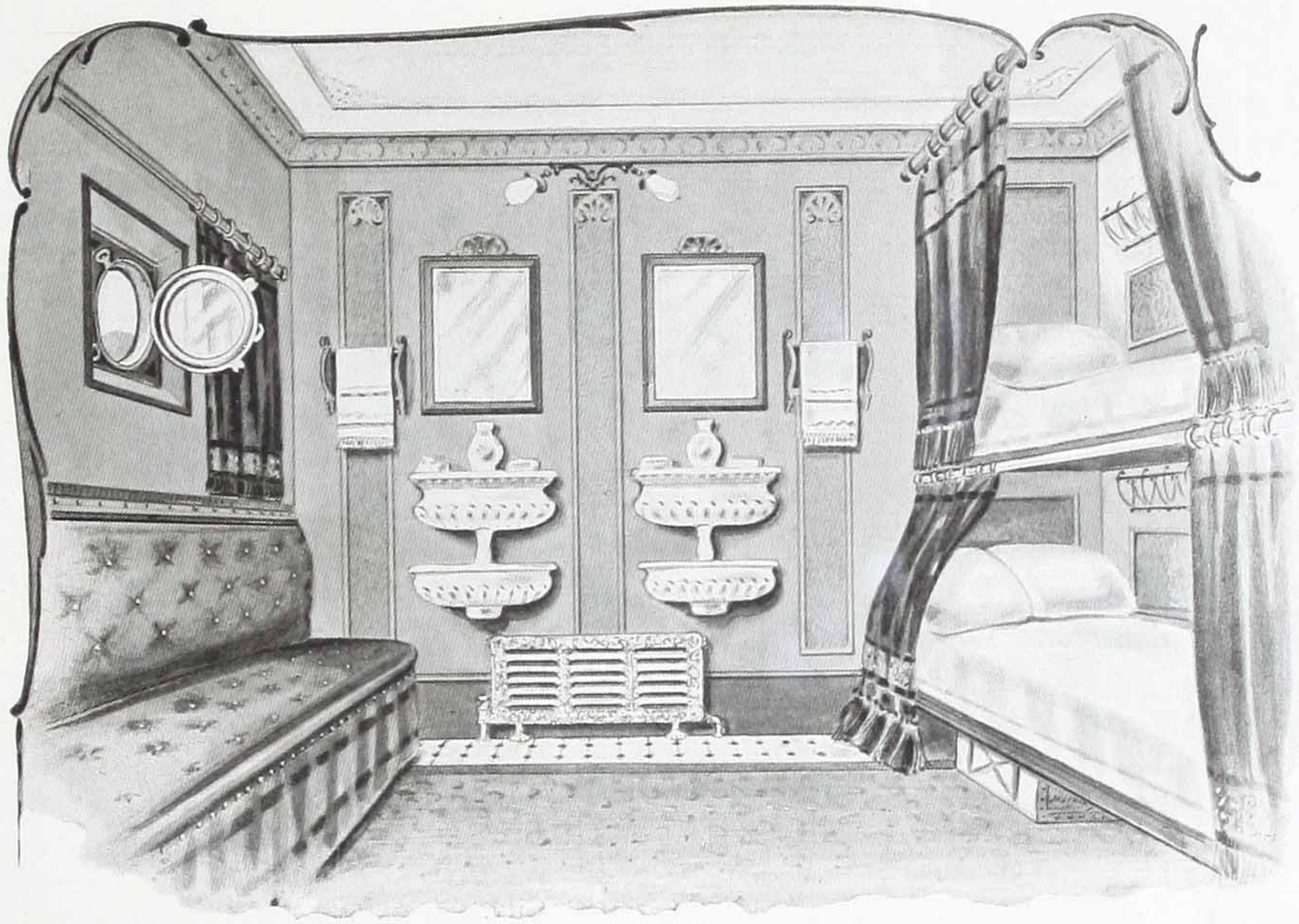
TEA ROOM, HON. JOHN WANAMAKER'S STORE, PHILADELPHIA, PA.

PUBLIC BUILDINGS (Continued).

Cascade Fire Engine House, Fall River, Mass.
Fontgarth Hall, West Chester, Pa.
Ambulance Station, New York City.
Brooklyn Navy Yard, Brooklyn, N. Y.
United States Navy Yard, Philadelphia, Pa.
Pier Building, 116th St., New York City.
Central Police Station, Fall River, Mass.
Good Will Engine House, Allentown, Pa.
Chester County Home, West Chester, Pa.
Old Men's Home, Philadelphia.
Shelter for Colored Children, Philadelphia.
Earl Crematory, Troy, N. Y.
Zoological Garden, Philadelphia.
City Treasurer's Office, Saratoga Springs, N. Y.
Philadelphia Cricket Club House, Chestnut Hill, Philadelphia.
University Club House, 1510 Walnut St., Philadelphia.
Detwiler's Opera House, Royersford, Pa.
Odd Fellows' Hall, Germantown, Philadelphia.
Somerset Club House, Boston, Mass.
Parlor Cars, Atlantic City Division, Pennsylvania Railroad.
Edwin Forrest Home, Holmesburg, Pa.
Odd Fellows' Building, Poughkeepsie, N. Y.
City Building (Ward Rooms), Boston, Mass.
Delaware and Hudson Canal Co. Station, Glens Falls, N. Y.
Country Club, Atlantic City, N. J.
Railroad Branch Y. M. C. A., Albany, N. Y.
Lachenmaier Gymnasium, Milwaukee, Wis.
Parish Building, Church of the Epiphany, Philadelphia.
Fire Headquarters, Southbridge, Mass.
Tuxedo Club House, Tuxedo Park, N. Y.

STEAMSHIPS.

"La Grande Duchesse," Plant Line.
"The Comus," Cromwell Line.
"The Proteus," Cromwell Line.
W. B. Hurst's yacht, Baltimore, Md.
Steamer "City of Troy," Troy Line.
" "Eureka," Cleveland, Ohio.
" "H. W. Oliver," Cleveland, Ohio.
" "Huron," Cleveland, Ohio.
" "Spicular," Cleveland, Ohio.
" "J. W. Gates," Cleveland, Ohio.
Albany Day Line, Steamer "Albany."
Steamer "Louenberg," Munson Line.
" "Curitzba," Munson Line.
" "Olinda," Munson Line.
P. A. B. Widener's Yacht "Josephine."
Steamer "Mexico."
" "Havana."
Hudson River Steamer "Defender."
Old Dominion Steamer "Princess Anne."
U. S. Auxiliary Cruiser "Dorothea."
Lake Erie Steamer "Republic."
Anchor Line Steamer "City of Rome."



PATENTED.

STATEROOM OF A STEAMSHIP.

MERCANTILE BUILDINGS.

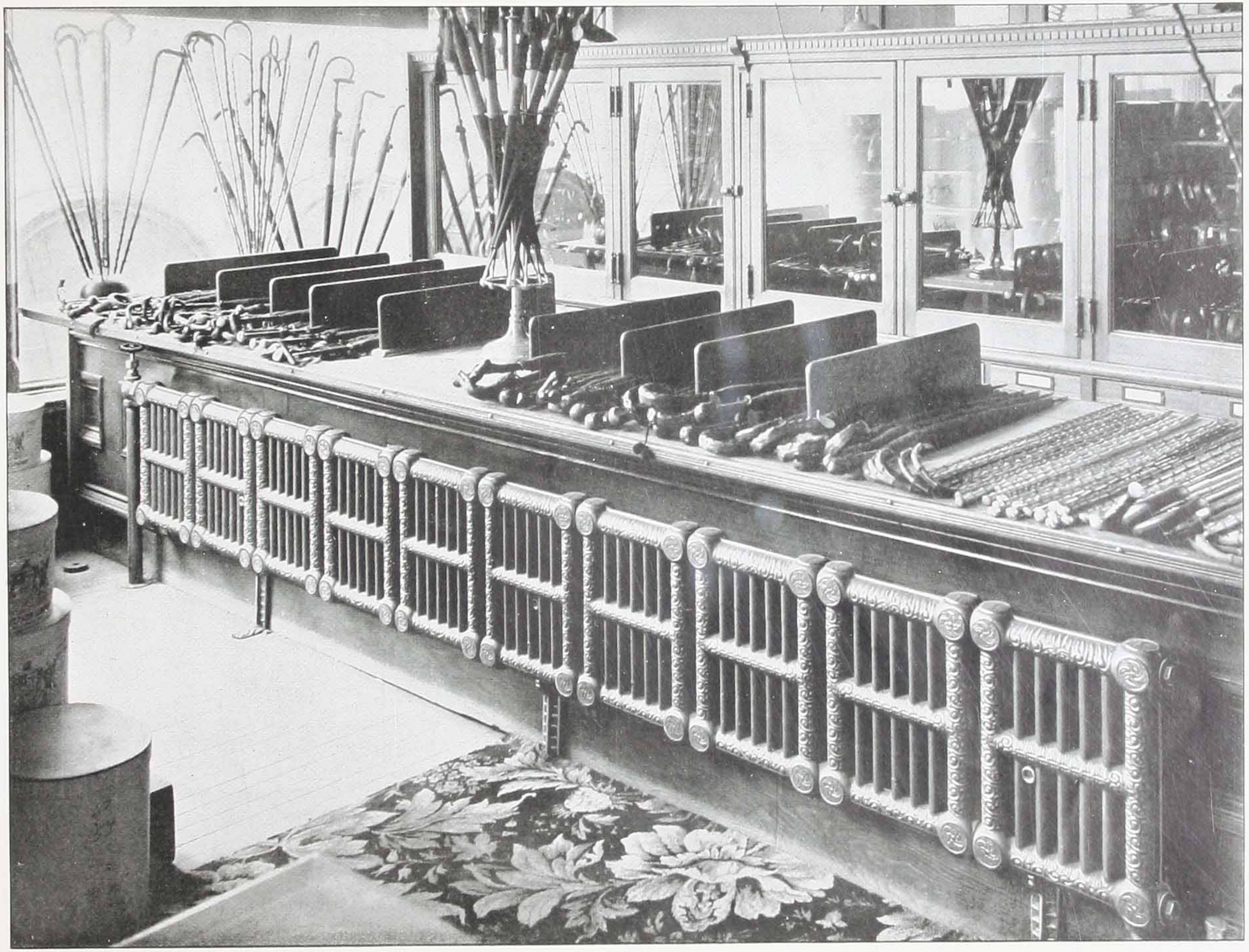
Department Store of John Wanamaker, Philadelphia.
Department Store of Gimbel Brothers, Philadelphia.
Department Store of Partridge & Richardson, Philadelphia.
Philadelphia National Bank, Philadelphia.
Machwirth Manufacturing Co., Buffalo, N. Y.
Teutonia Bank, New Orleans, La.
Camden Curtain and Embroidery Co., Camden, N. J.
Alfred Moore Building, Third and Race Sts., Philadelphia.
Lackawanna Trust and Safe Deposit Co., Scranton, Pa.
Erlanger Brothers, Baltimore, Md.
Emerson Drug Company, Baltimore, Md.
Ford & Frazer Flats, Syracuse, N. Y.
Cooper Land Co., Albany, N. Y.
Bement, Miles & Co., Philadelphia.
Otto Eisenlohr & Bros., Market St., Philadelphia.
Davidson & Davidson Office Building, Washington, D. C.
Mutual National Bank, Troy, N. Y.
Eldridge R. Johnson, Manufacturing Machinist, Camden, N. J.
Miles Building, Philadelphia.
Townsend, Grace & Co., W. Fayette St., Baltimore, Md.
Toronto General Trusts Building, Toronto, Canada.
Toronto Carpet Company's Offices, Toronto, Canada.
Murphy's Dry Goods Stores, Montreal, Canada.
T. R. Clark Block, Watkins, N. Y.
L. H. Durland Block, Watkins, N. Y.
Rooney Bros., Boots and Shoes, Watkins, N. Y.
Cawker Building, Milwaukee, Wis.
Pabst Second Street Building, Milwaukee, Wis.
Phillip Gross Hardware Building, Milwaukee, Wis.
Rich Shoe Factory, Milwaukee, Wis.
Schlitz Brewing Company (three buildings), Milwaukee, Wis.
Milwaukee Gas Co., Office Building, Milwaukee, Wis.
Drobrogrowski Store Building, Milwaukee, Wis.
Pabst Brewing Co., Warehouses, Milwaukee, Wis.
Wisconsin Telephone Building, Milwaukee, Wis.
McGeogh Building, Milwaukee, Wis.
O. B. Desrochers' Store Building, Troy, N. Y.
Julius Keller's Steam Bakery, Troy, N. Y.
Department Store of S. Kann, Sons & Co., Washington, D. C.
Patterson & Co., 1631 Chestnut St., Philadelphia.
Office Building, 20 and 22 South 15th St., Philadelphia.
Nassau Improvement Co., Princeton, N. J.
Huyler's Candy Factory, 18th St. and Irving Place, New York City.
P. P. Mast & Co., Philadelphia.
Adams Estate Building, Atlantic Ave., Boston, Mass.
Home Savings Bank, Wellington, Ohio.
Bacon & Stickney Offices, Albany, N. Y.
W. J. Moore, Office, Albany, N. Y.
American Meter Company, 11th Ave. and 47th St., New York City.
Roeder & Munshauer, Cigar Factory, Spinnerstown, Pa.
J. R. Allebach, Cigar Factory, Green Lane, Pa.
Delaware and Atlantic Telephone Co., Trenton, N. J.
Greenhouse Work Room, for P. A. B. Widener, Ashbourne, Pa.
Bergen County Ice Co., Office, Paterson, N. J.
Quackenbush & Co., Dry Goods Store, Paterson, N. J.



THE PHILADELPHIA NATIONAL BANK (RADIATOR 50 FEET LONG).

MERCANTILE BUILDINGS (Continued).

Jas. T. McNab, Office, Paterson, N. J.
Truesdale Block, Hornellsville, N. Y.
McHenry Block, Hornellsville, N. Y.
Ristel Block, Hornellsville, N. Y.
Eastman Kodak Co., Executive Office, Rochester, N. Y.
Muir & Haughton (General Accident Insurance Co.), Philadelphia.
Alliance Bank Building, Rochester, N. Y.
First National Bank, Stroudsburg, Pa.
Montz Block, Lehighton, Pa.
Edward G. Ford, Philadelphia.
Ivins, Dietz & Magee, Market St., Philadelphia.
Essex Trust Building, Boston, Mass.
Essex Building, Boston, Mass.
Charlton Block, Newton, Mass.
Taylor Block, Newton, Mass.
Jewelers' Building, Boston, Mass.
Willard Block, Newton, Mass.
Rand Avery Supply Co., Boston, Mass.
First National Bank, Ellsworth, Me.
John L. Sheldon Block, Wakefield, R. I.
H. K. Wampole & Co., Philadelphia.
Atlantic National Bank, Boston, Mass.
Beaconsfield Terrace, Boston, Mass.
Foster Heirs Building, Worcester, Mass.
McGrath Block, Leominster, Mass.
Walker Building, Worcester, Mass.
First National Bank, Vincentown, N. J.
R. H. Walker, Elmira, N. Y.
Laboratory of Hance Bros. & White, Philadelphia.
Halton & Sons' Mills, Philadelphia.
Schenectady Locomotive Works, Schenectady, N. Y.
Bell & Gorman, Furniture, Atlantic City, N. J.
Office of Perkins & Bancroft, Architects, Haverhill, Mass.
Berger Bros. Co., Arch St., Philadelphia.
The H. W. Johns Manufacturing Co., Philadelphia.
Evans Laboratory Building, Philadelphia.
Cataract Construction Co., Office, Niagara Falls, N. Y.
Lambertville Rubber Co., Office, Lambertville, N. J.
Heywood Bros. & Wakefield Co., Philadelphia.
Office Building, 13th and Chestnut Sts., Philadelphia.
A. N. Bedell, Mooers, N. Y.
International Heater Co., Office, Utica, N. Y.
Philadelphia Savings Fund Society Building, Philadelphia.
Illium Building, Troy, N. Y.
Park Bank, Albany, N. Y.
The Joel Bailey-Davis Co., Philadelphia.
Home Savings Bank, Albany, N. Y.
Chester National Bank, Chester, Pa.
Carriage Repository, Newport, R. I.
Ludlow Valve Works, Troy, N. Y.
Schuyler Office Building, Philadelphia.
Cooper Land Company's Building, Albany, N. Y.
A. V. Benson, Office Building, Albany, N. Y.
Office of A. L. & J. J. Reynolds, Greenwich St., New York City.
O. C. Downey Building, Allentown, Pa.
Pittsburg Plate Glass Co., Philadelphia.
The Renwick Building, New York City.
Frank H. Fleer & Co., Philadelphia.



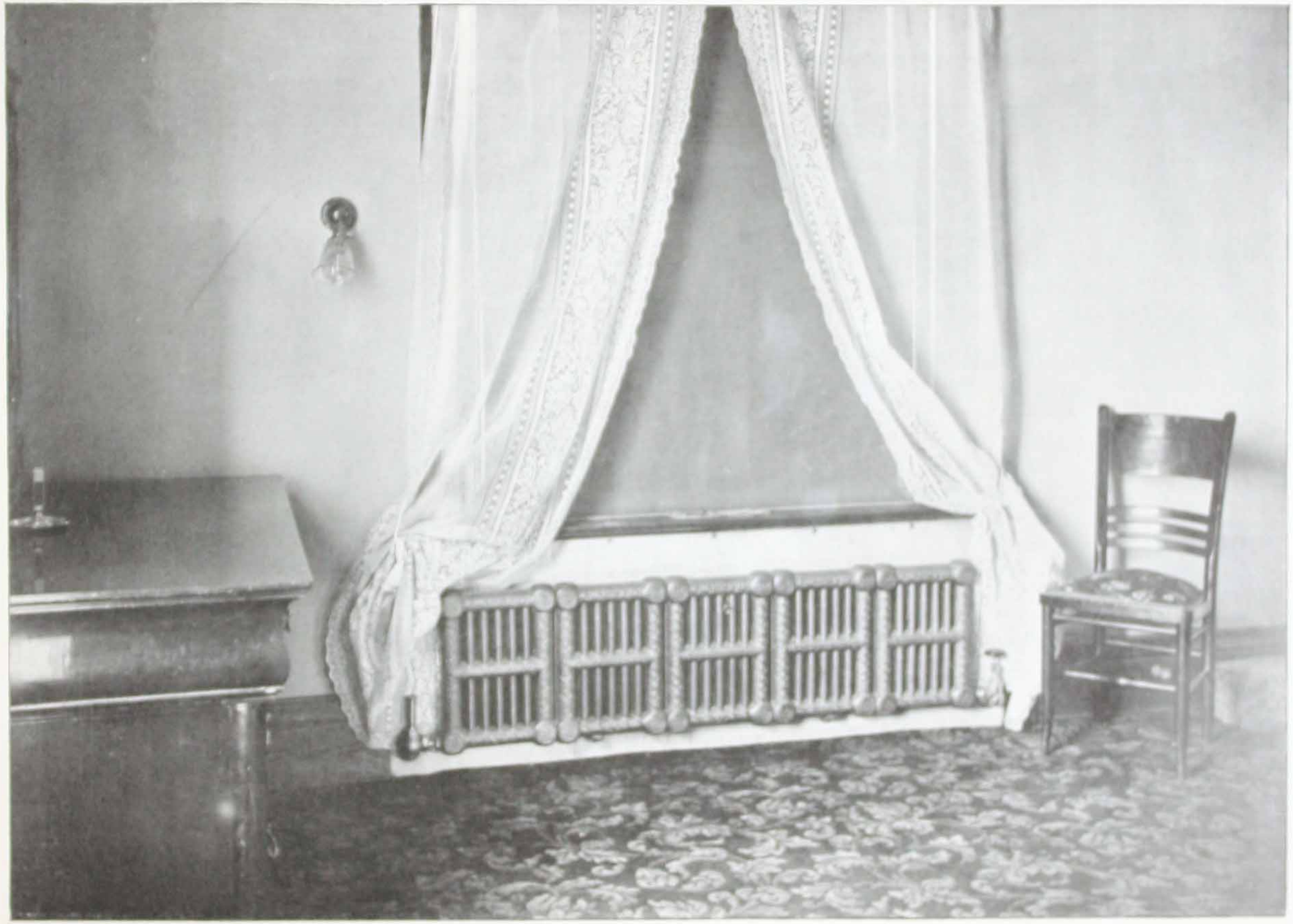
COUNTER APPLICATION, HON. JOHN WANAMAKER'S STORE, PHILADELPHIA, PA.

MERCANTILE BUILDINGS (Continued).

Burnett Building, Red Hook, N. Y.
Parker Building, Morristown, N. J.
Bell Telephone Company's Buildings (three), Philadelphia.
Western Union Telegraph Co., Office, Troy, N. Y.
Jonas Long's Sons' Department Store, Scranton, Pa.
C. A. Bowman Building, Williamsport, Pa.
Chambers & Myan Building, Williamsport, Pa.
Finley Acker & Co., Store, Philadelphia.
Guudlack Optical Company, Rochester, N. Y.
The J. G. & J. W. Cutler Building, Rochester, N. Y.
Connell Office Building, Scranton, Pa.
Consolidated Traction Company, Jersey City, N. J.
Southwestern Laundry, Philadelphia.
Albany Insurance Building, Albany, N. Y.
Woodbury Caster Works, Woodbury, N. J.
Thompson & Co., Germantown, Philadelphia.
Wm. M. France Office Building, Frankford, Philadelphia.
The Pennsylvania Company's Building, Chestnut St., Philadelphia.
Bingham & Co., Cherry St., Philadelphia.
Crescent Stables, Philadelphia.
Bicknell & Spring Block, Worcester, Mass.
Truesdale Office Building, Troy, N. Y.
Carhart's Photographic Studio, Phillipsburg, N. J.
Hart Bros. Building, Williamsport, Pa.
Dobson Building, 9th and Market Sts., Philadelphia.
F. J. Dorfer, Genesee St., Buffalo, N. Y.
A. B. Cunningham & Co., Market St., Philadelphia.
F. R. Slocum Building, New Bedford, Mass.
The Keg, Broad and Chestnut Sts., Philadelphia.
American Flag Co., Easton, Pa.
Stanton Brewing Company, Troy, N. Y.
John L. Thompson's Sons & Co., Troy, N. Y.
Store of George Hiller, Cobleskill, N. Y.
Office of S. Faith & Co., Philadelphia.
Altruria Building, Troy, N. Y.
The S. S. White Dental Co., Philadelphia.
A. Schilling, Mosaic Flooring, Albany, N. Y.
Store and Office of Kieley & Stahl, Albany, N. Y.
Office of Robert Clarkson, Drexel Building, Philadelphia.
Lutheran Publication Society, Philadelphia.
Knox & Mead Office Building, Troy, N. Y.
Salamonsky Building, Norfolk, Va.
Tunstall Building, Norfolk, Va.
Simon Lauer Building, Scranton, Pa.
Hastings & McIntosh Truss Co., Philadelphia.
T. E. McEneny, Bakery, Albany, N. Y.

HOTELS AND APARTMENT HOUSES.

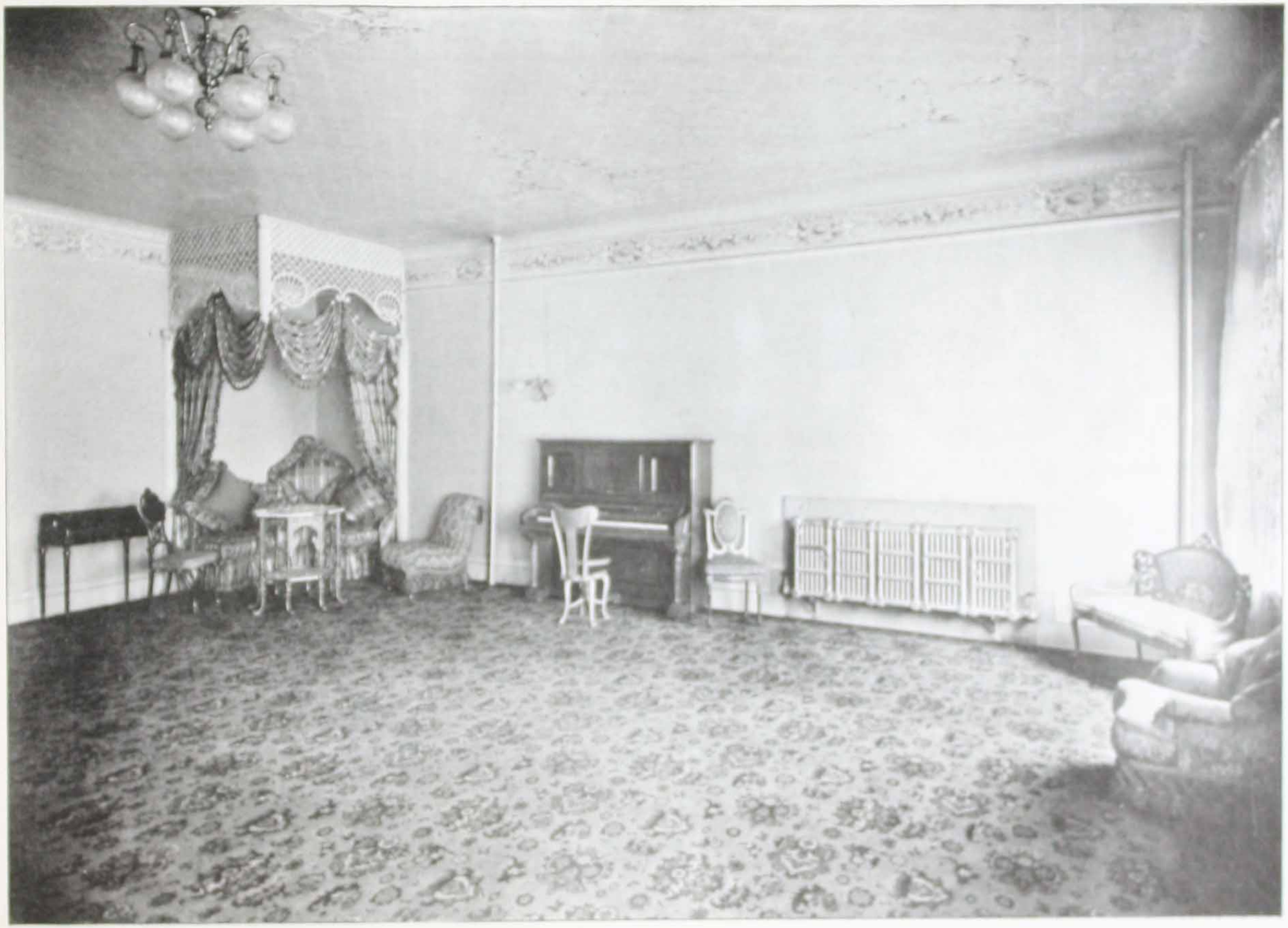
Stanwix Hall, Albany, N. Y.
Park Hotel, Williamsport, Pa.
Hotel Italy, Boston, Mass.
Cutler's Hotel, 9th and Walnut Sts., Philadelphia.
Postles' Apartment House, Wilmington, Del.
The Hefford Flats, Buffalo, N. Y.



CHAMBER IN HOTEL ALMS, WALNUT HILLS, CINCINNATI, O.

HOTELS AND APARTMENT HOUSES (Continued).

The Buckingham Flats, Buffalo, N. Y.
Windsor Hotel, Troy, N. Y.
Arnold Apartment House, Atlantic City, N. J.
Old Corner Hotel, Williamsport, Pa.
McCaslin Apartment House, Pittsburg, Pa.
Denechand Hotel, New Orleans, La.
Hotel Glenwood, Collegeville, Pa.
Hotel Warwick, Newport News, Va.
Central Hotel, Steelton, Pa.
Langwell Hotel, Elmira, N. Y.
Kenney House, Piedmont, W. Va.
Hotel Alms, Walnut Hills, Cincinnati, Ohio.
Hotel Flanders, Walnut St., Philadelphia.
Hotel Rudolf, Atlantic City, N. J.
Hotel Pierrepont, Atlantic City, N. J.
Hotel Morton, Atlantic City, N. J.
Hotel Chalfonte, Atlantic City, N. J.
Hotel Brighton, Atlantic City, N. J.
Hotel New England, Atlantic City, N. J.
Hotel Staiger, Atlantic City, N. J.
Hotel Shelbourne, Atlantic City, N. J.
Hotel Brompton, Atlantic City, N. J.
Hudson Hall, Atlantic City, N. J.
Hotel Jackson, Atlantic City, N. J.
Byrns Hotel, New York City.
Chester Inn, Atlantic City, N. J.
Parkside Apartment House, Philadelphia.
Apartment House, Trenton, N. J.
Hotel Ruliff, Glens Falls, N. Y.
Grand Central Hotel, Allentown, Pa.
Apartment House, H St. near 4th, Washington, D. C.
Hotel Stirling, Cincinnati, Ohio.
Iverness Apartment House, 7th Ave. and 57th St., New York City.
Ormonde Apartment House, 70th St. and Broadway, New York City.
Seminole Apartment House, 69th St. and Broadway, New York City.
Apartment House, 84th St. and Riverside Drive, New York City.
Mohawk Apartment House, 88th St. and Central Park West, New York City.
Minnewaska Apartment House, 88th St. and Central Park New York City.
Giles Hotel, Montour Falls, N. Y.
Dinson Flats, Fifth and Sycamore Sts., Milwaukee, Wis.
Blatz Hotel, E. Water and Oneida Sts., Milwaukee, Wis.
Holmes Apartment Building, 12th and Cedar Sts., Milwaukee, Wis.
The Princeton Flats, 1430 V St., N. W., Washington, D. C.
Chew Apartment House, 1311 Walnut St., Philadelphia.
Apartment House, 20th and Chestnut Sts., Philadelphia.
Apartment House, 1524 Arch St., Philadelphia.
Hotel Loraine, 45th St. and Fifth Ave., New York City.
Nassau Hotel, Princeton, N. J.
H. Moseback's Cafe, Broad St., Philadelphia.
Dunam Ave. Apartment House, Cleveland, Ohio.
Sawyer Apartment House, Case Ave., Cleveland, Ohio.
Adler Apartment House, Case Ave., Cleveland, Ohio.
Keystone Hotel, Lebanon, Pa.



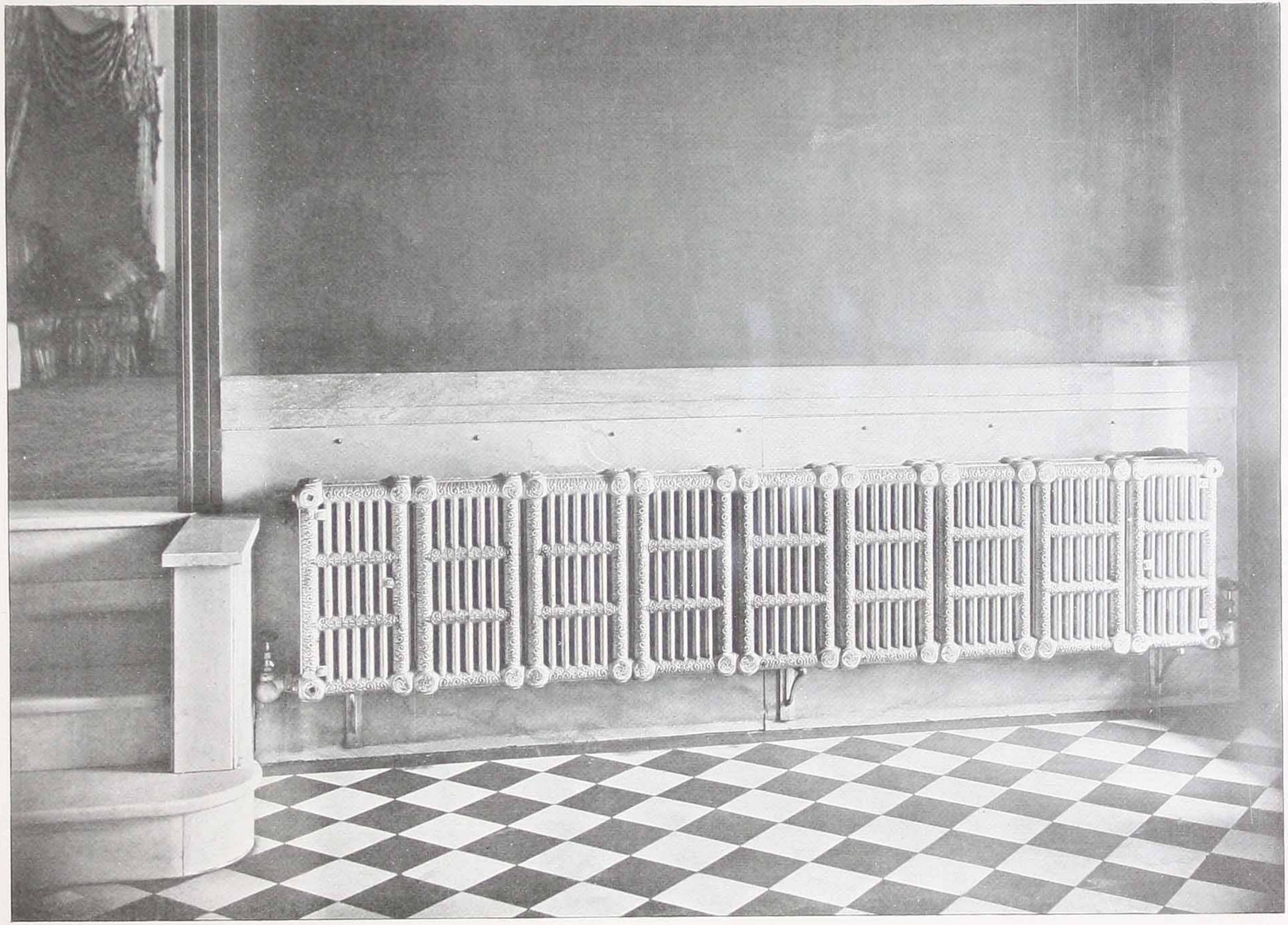
Parlor of Hotel Alms, Walnut Hills, Cincinnati, O.

HOTELS AND APARTMENT HOUSES (Continued).

Oxford Apartments, Buffalo, N. Y.
Ottewega Apartments, Buffalo, N. Y.
Westgate Apartments, Buffalo, N. Y.
Wellsley Apartments, Buffalo, N. Y.
Hotel Continental, Saratoga Springs, N. Y.
The Parke Apartment House, Wilmington, Del.
McCormick Bros.' Hotel, Wilmington, Del.
The Taswell Apartment House, Norfolk, Va.
Crystal Spring Hotel, E. Stroudsburg, Pa.
Mrs. Isabelle Smith & Son's Boarding House, Mt. Pocono, Pa.
Indian Queen Hotel, Stroudsburg, Pa.
Ridgway Hotel, Philadelphia.
The Queen Hotel, Ocean Grove, N. J.
The Majestic Hotel, Ocean Grove, N. J.
Central Hotel, Mauch Chunk, Pa.
J. O'Brien's Hotel, Bernardsville, N. J.
Boothby's Restaurant, Chestnut St., Philadelphia.
Hotel Chamberlain, Old Point Comfort, Va.
White Horse Hotel, Moore, Pa.
City Hotel, Bridgeton, N. J.
Merchants Hotel, York, Pa.

A FEW OF THE MANY RESIDENCES.

T. B. Wanamaker, Meadowbrook, Pa.
R. M. Janney, 1826 Locust St., Philadelphia.
Parochial Residence of St. Agnes' Church, West Chester, Pa.
Episcopal Rectory, Woodbury, N. J.
St. Mary's Parish Building, Philadelphia.
Richard G. Park, West Chester, Pa.
Mrs. A. Jenness Miller, Washington, D. C.
Italian Legation Building, Columbia Road, Washington, D. C.
Two Residences for John Sherman, Columbia Road, Washington, D. C.
Three Residences for Davidson & Davidson, Washington, D. C.
Mr. George Cooper, Florida Ave., Washington, D. C.
Prof. J. M. Munyon, "The Towers," Philadelphia.
Charles Henderson, Hackensack, N. Y.
W. H. Toddy, Brooklyn, N. Y.
J. E. Lanou, Burlington, Vt.
Charles P. Smith, Burlington, Vt.
George Graves, Winooski, Vt.
Nathan R. Spaulding, Apple Tree Point, Burlington, Vt.
Capt. George Rushlow, Shelburn Harbor, Shelburn, Vt.
Dr. J. P. Wilson, Princeton, N. J.
Joseph Myatt, Trenton, N. J.
John J. Cleary, Trenton, N. J.
James Foskett, Trenton, N. J.
A. D. Cook, Princeton, N. J.
Dr. I. H. Wickoff, Princeton, N. J.
Three Residences for John Lynch, Girard Ave., Philadelphia.
W. A. Gibbs, 18th and Walnut Sts., Philadelphia.



CORRIDOR OF HOTEL ALMS, WALNUT HILLS, CINCINNATI, O.

A FEW OF THE MANY RESIDENCES (Continued).

Samuel J. Brackman, Milwaukee, Wis.
Frederick Buell, Milwaukee, Wis.
George Coke, Milwaukee, Wis.
L. J. Petit, Milwaukee, Wis.
T. W. Spence, Milwaukee, Wis.
James H. Proctor, Ipswich, Mass.
E. G. Niles, Boston, Mass.
L. B. Schofield, Newtonville, Mass.
E. H. Lindsey, Swampscott, Mass.
A. B. Sleeper, Swampscott, Mass.
P. B. Sullivan, Watkins, N. Y.
L. H. Durland, Watkins N. Y.
Mrs. H. F. Lembeck, Watkins, N. Y.
Dr. H. P. Stillwell, Burdett, N. Y.
Walter H. Massey, Toronto, Canada.
L. M. Treble, Toronto, Canada.
Dr. Norman Essig, Wallingford, Pa.
G. M. Dorrance, Bristol, Pa.
Hon. W. H. Moody, Haverhill, Mass.
Mrs. H. E. Chase, Haverhill, Mass.
J. Frank Boyer, Norristown, Pa.
George W. Watt, Norristown, Pa.
W. G. Nyce, Royersford, Pa.
W. H. Barnes, Troy, N. Y.
Dr. D. W. Houston, Troy, N. Y.
Walter C. Harrington, Cohoes, N. Y.
Mrs. A. Graham Spencer, Philadelphia.
Carl Grubnau, Wyncote, Pa.
Dr. N. Nelin Stokes, Moorestown, N. J.
G. Jason Waters, Atlantic City, N. J.
G. Jason Waters, Ogontz, Pa.
John E. Sudler, Norristown, Pa.
Wm. M. Ayres, Broad St., Philadelphia.
Julius Kaufman, Philadelphia.
Dr. Robert P. Mercer, Chester, Pa.
Richard M. Cooper, Haddonfield, N. J.
Josiah D. Pancoast, Stanwick, N. J.
A. C. Barker, Newport, R. I.
William Moore, Glens Falls, N. Y.
B. F. Stephens, Glens Falls, N. Y.
Harry H. Moore, Lockport, N. Y.
H. J. Heinz, Pittsburg, Pa.
Maj. H. M. Dalrymple, Morristown, N. J.
C. S. Crowell, Moorestown, N. J.
J. L. Atkinson, Three Tuns, Pa.
M. C. Venable, Marlton, N. J.
M. H. Rue, Cream Ridge, N. J.
J. T. Calder, Albany, N. Y.
J. H. Robinson, Washington, D. C.
C. P. Russell, Washington, D. C.
Elton A. Smith, Smithville, N. J.
S. B. Lippincott, Mount Holly, N. J.
G. W. Lewis, Burlington, N. J.
George D. Worrell, Mt. Holly, N. J.
P. Lorillard, Jobstown, N. J.
W. N. Wilton, Devon, Pa.
J. W. Pepper, Jenkintown, Pa.
H. P. Eddy, Worcester, Mass.
A. W. McComber, Worcester, Mass.
Mrs. R. F. Clark, Worcester, Mass.



Dining Room of the Parkside Apartment House, Philadelphia, Pa.

A FEW OF THE MANY RESIDENCES (Continued).

W. H. Bartlett, Shrewsbury, Mass.
Capt. Charles A. Bailey, Albany, N. Y.
Dr. James Tait, Philadelphia.
John Sellers, Philadelphia.
Dr. Smedley, Media, Pa.
Samuel C. Turner, Chester, Pa.
Dr. E. H. Cook, Ridley Park, Pa.
F. H. Burgess, Ridley Park, Pa.
B. F. Beatty, Chester, Pa.
Hiram E. Turner, Fernwood, Pa.
I. S. Alley, W. Newton, Mass.
Pastoral Residence St. Paul's Church, Girardville, Pa.
Rev. H. M. Smythe, Englewood, N. J.
D. W. Mabee, Saratoga, N. Y.
A. A. Dayton, Albany, N. Y.
W. N. Borden, 4622 Wayne St., Germantown, Philadelphia.
Edward R. Steinmetz, Philadelphia.
Dr. C. L. Barton, 2133 Walnut St., Philadelphia.
W. H. Peterson, Philadelphia.
Thomas English, Philadelphia.
Ex-Governor Daniel H. Hastings, Bellefonte, Pa.
Eugene T. Adams, Haverhill, Mass.
James Kay, Paterson, N. J.
M. Hawley, Paterson, N. J.
Dr. Bonsall, Spruce St., Philadelphia.
H. C. Geiger, Philadelphia.
George H. Ahrens, Jamestown, N. Y.
W. Brooks, Lansdowne, Pa.
John Stafford Operation, 40 Houses (Bath Rooms), Philadelphia.
W. C. Drake, E. Stroudsburg, Pa.
F. E. Allen, Portland, Me.
George S. Payson, Portland, Me.
W. E. McHarg, Albany, N. Y.
Henry M. Sage, Menends, N. Y.
Most Reverend P. J. Ryan, Archbishop of Philadelphia.
Franklin Rorke, 41st and Ogden Sts., Philadelphia.
J. W. Biddle, Media, Pa.
E. W. Pedrick, Philadelphia.
D. S. Kloss, Tyrone, Pa.
S. P. Stambach, Haverford, Pa.
Dr. R. B. Okie, Radnor, Pa.
Messrs. Walker & Gibson, Albany, N. Y.
Clarence Cowton, Germantown, Philadelphia.
E. I. Jackson, Germantown, Philadelphia.
Thomas D. Moulds, Bala, Pa.
Abram C. Mott, Philadelphia.
Stewart A. Jellett, Germantown, Philadelphia.
Residences (8), Melrose, Pa.
Wm. L. Vanderwater, Trenton, N. J.
Henry S. Peck, New Haven, Conn.
C. B. Peck, New Haven, Conn.
A. L. Jacoby, Narberth, Pa.
John A. Stewart, Morristown, N. J.
John Yewdell, Cynwyd, Pa.
A. C. Gandey, Lambertville, N. J.
George L. Harding, Binghamton, N. Y.
C. A. James, Williamsport, Pa.
Mrs. H. E. Kelly, Atlantic City, N. J.
Prof. R. C. Carpenter, Ithaca, N. Y.



CURVED BAY WINDOW RADIATOR IN PARLOR OF MR. S. C. TURNER'S RESIDENCE, CHESTER, PA.

A FEW OF THE MANY RESIDENCES (Continued).

Mrs. Clement A. Newbold, Philadelphia.
Francis A. Potts, Philadelphia.
George Dilkman, Buffalo, N. Y.
Joseph E. Zent, Buffalo, N. Y.
Dr. P. F. Gunster, Scranton, Pa.
A. M. Byers, Allegheny, Pa.
L. S. Clarke, Pittsburg, Pa.
Frank Erbeck, Homestead, Pa.
John A. Stewart, Morristown, N. J.
Capt. George Rushlow, Shelburn, Vt.
Charles P. Smith, Burlington, Vt.
Rev. M. Charbonneau, Keeseville, N. Y.
George Douglas, Newport, R. I.
Horace F. Weeks, Rosemont, Pa.
J. M. Martin, Danvers, Mass.
Byron Parker, Hudson, N. Y.
Dr. J. L. Heffern, Syracuse, N. Y.
Mrs. Westinghouse, Schnectady, N. Y.
E. LeRoy Smith, Albany, N. Y.
Dr. H. S. Hutchinson, Binghamton, N. Y.
A. B. Briggs, Scranton, Pa.
Dr. H. E. Wheeler, Carbondale, Pa.
Thomas Durham, Philadelphia.
Dr. T. J. Ellinger, Philadelphia.
Emil H. C. Hartman, Fern Rock, Philadelphia.
Wm. Tenjost, Buffalo, N. Y.
Theodore Voorhees, Philadelphia.
Henry Justice, Philadelphia.
Mrs. Geo. C. Carson, Torresdale, Pa.
S. K. McCay, Philadelphia.

T. Hutchinson Galloney, Berwyn, Pa.
Clarence Rathborne, Albany, N. Y.
Andrew D. Cobb, Parsippany, N. J.
Dr. H. A. Henriques, Morristown, N. J.
L. D. Krause, Allentown, Pa.
A. L. Koch, Lancaster, Pa.
Major Wilbur H. Weston, Newburgh, N. Y.
Thomas L. Brooks, Washingtonville, N. Y.
Thomas Waring, Fall River, Mass.
Wm. J. Hogg, Worcester, Mass.
Ex-Senator John J. Coyle, Philadelphia.
Messrs. Stothoff Bros., Flemington, N. J.
W. H. Worrell, Lansdowne, Pa.
Dr. Wm. C. Parry, Hainesport, N. J.
Senator R. B. Engle, Mount Holly, N. J.
Edward B. Jones, Mount Holly, N. J.
Sterling McIlvain, Mount Holly, N. J.
Hezekiah B. Smith, Smithville, N. J.
John W. Burtis, Jr., Allentown, N. J.
F. E. DeGrau, South Amboy, N. J.
Mrs. Estella Disbrow, Old Bridge, N. J.
W. G. Binney, Burlington, N. J.
Miss Mary Weatheral, Burlington, N. J.
Amos Kaighn, Moorestown, N. J.
Henry H. Rambo, Moorestown, N. J.
Joseph H. Roberts, Moorestown, N. J.
Mrs. McLeo1 Matheson, Washington, D. C.
Frank L. Hanvey, Washington, D. C.
Major Herbert Cox, Glen Loch, Pa.
E. L. Farr, Wenonah, N. J.

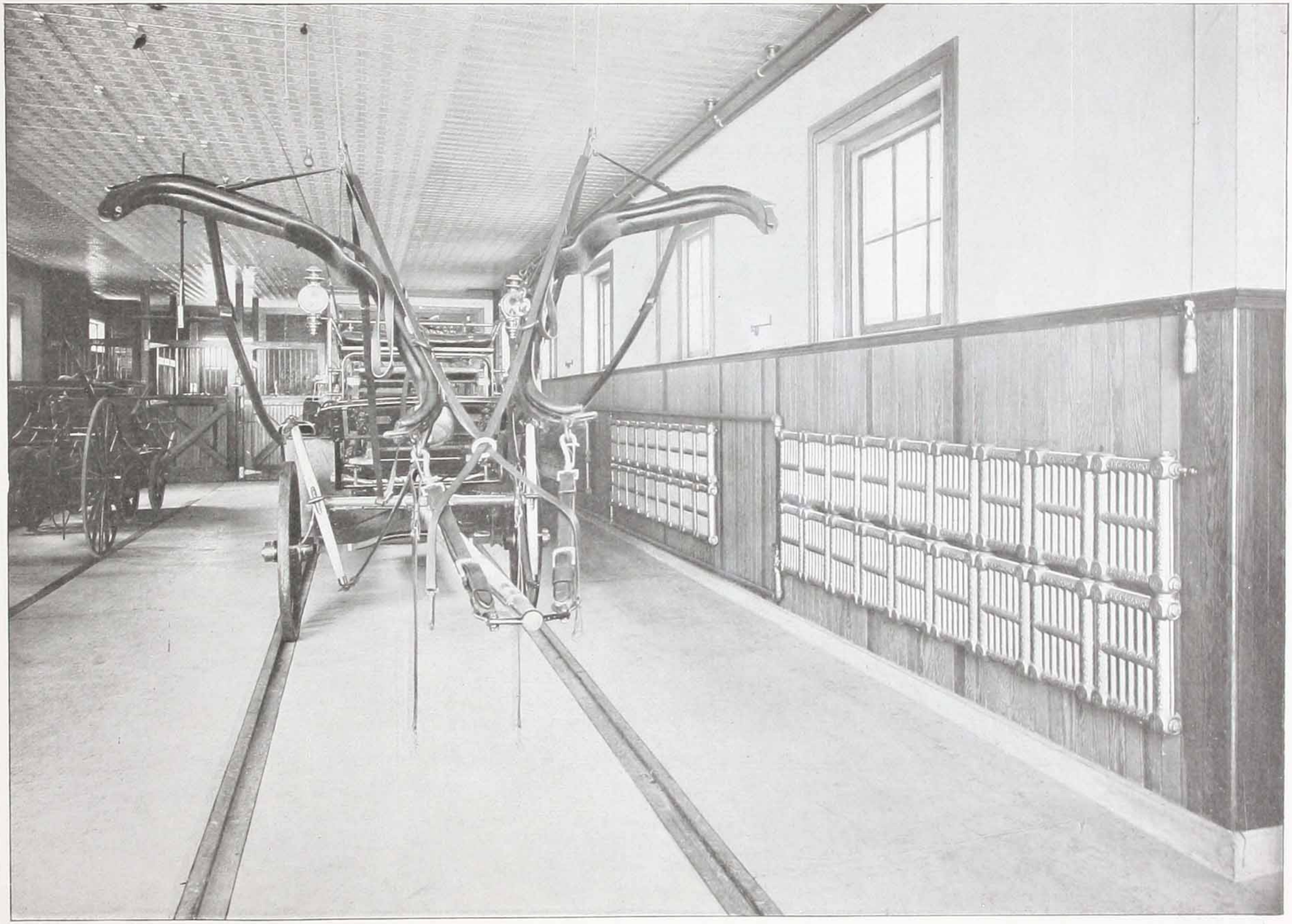


Dining Room in Residence of Mr. S. C. Turner, Chester, Pa.

A FEW OF THE MANY RESIDENCES (Continued).

Israel Morris, Upton, Pa.
F. W. Starling, Philadelphia.
Mrs. L. E. Bergin, Somerville, N. J.
A. C. Kranichfeld, Buffalo, N. Y.
Stanton Courter, Cobleskill, N. Y.
E. Rutzler, New York City.
George Abrams, Vincentown, N. J.
Wm. Kammer, Fox Chase, Pa.
St. John's German Luth. Church Parsonage, New York City.
C. F. Bachler, Philadelphia.
A. T. Henderson, Plainfield, N. J.
William McEchron, Glens Falls, N. Y.
P. H. Horgan, Newport, R. I.
John S. Kimber, Newport, R. I.
F. C. Soule, Syracuse, N. Y.
A. V. Benson, Syracuse, N. Y.
Joseph Holmes, Cream Ridge, N. J.
George C. Newman, Philadelphia.
Mrs. A. L. Miller, Philadelphia.
R. Evans, Bath-on-the-Hudson, N. Y.
Three Residences, 7th and Linden Sts., Camden, N. J.
Dr. B. T. Booth, Troy, N. Y.
Thomas M. Nolan, Trov, N. Y.
William Duncan, Cohoes, N. Y.
W. S. Pilling, Germantown, Philadelphia.
S. R. Aicken, Philadelphia.
James Seery, Philadelphia.
F. R. Hill, Oak Lane, Philadelphia.
William Krouse, Philadelphia.
Dr. Morton, Locust St., Philadelphia.
William G. Richardson, Tioga, Philadelphia.
H. W. Williams, Stanwick, N. J.

H. C. Rumpp, Philadelphia.
William W. Weaver, Philadelphia.
Simon Seward, Petersburg, Va.
J. E. Mitchell, Glenolden, Pa.
James Maher, Paterson, N. J.
John Devlin, Philadelphia.
W. H. Keeler, Albany, N. Y.
W. Carroll, Albany, N. Y.
C. J. Reno, Albany, N. Y.
Mrs. Mary E. Stoples, Portland, Me.
Patrick Donohue, Philadelphia.
Mrs. James McKee, Morristown, N. J.
Charles Sultzberger, Philadelphia.
J. G. Schmidt, Philadelphia.
A. C. McClellan, Atlantic City N. J.
H. S. Scull, Atlantic City, N. J.
Mathieu Gill, Jr., Longport, N. J.
J. B. Hinkson, Chester, Pa.
James Wallworth, Chester, Pa.
L. Marshall, Lansdowne, Pa.
A. H. McFadden, Philadelphia.
H. Hendricks, Philadelphia.
J. Hancock, Philadelphia.
H. Yeager, Philadelphia.
John Costello, Philadelphia.
Elwood Satterwaith, Moorestown, N. J.
Richard DeCon, Croswicks, N. J.
Alex. C. Wood, Cinnaminson, N. J.
Rebecca Horner, Moorestown, N. J.
Henrietta Haines, Moorestown, N. J.
James A. Crawford, New Castle, Pa.



FRIENDSHIP NO. 1 FIRE HOUSE, WOODBURY, N. J.



ENTRANCE TO MOSEBACH'S CAFÉ, BROAD STREET, PHILADELPHIA, PA.